BREA MALL MIXED USE PROJECT

FINAL ENVIRONMENTAL IMPACT REPORT

VOLUME II – APPENDICES

STATE CLEARINGHOUSE NO. 2019080299

SEPTEMBER 2022

BREA
CALIFORNIA

September 2022 | Final Environmental Impact Report
State Clearinghouse No. 2019080299

BREA MALL MIXED USE PROJECT

for the City of Brea

Volume II – Appendices

Prepared for:

City of Brea
Contact: Joanne Hwang, City Planner
1 Civic Center Circle
Brea, California 92821
714.990.7674

Prepared by:

PlaceWorks
Contact: Nicole Vermilion, Principal
3 MacArthur Place, Suite 1100
Santa Ana, California 92707
714.966.9220
info@placeworks.com
www.placeworks.com

PLACEWORKS

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CITY OF BREA
NOTICE OF PREPARATION
of a DRAFT ENVIRONMENTAL IMPACT REPORT
for the BREA MALL MIXED USE PROJECT
and NOTICE OF SCOPING MEETING

Date:	August 16, 2019
Subject:	Notice of Preparation (NOP) and Scoping Meeting for the Brea Mall Mixed Use Project Draft Environmental Impact Report
To:	State Clearinghouse, State Responsible Agencies, State Trustee Agencies, Other Public Agencies, Interested Organizations
Lead Agency/Sponsor:	City of Brea, Planning Division
Project Title:	Brea Mall Mixed Use Project

NOTICE IS HEREBY GIVEN that the City of Brea will prepare an environmental impact report (EIR) for the Brea Mall Mixed Use Project. The City is the lead agency for the project. The purpose of this notice is to (1) serve as a Notice of Preparation of an EIR pursuant to the California Environmental Quality Act (CEQA) Guidelines § 15082, (2) advise and solicit comments and suggestions regarding the scope and content of the EIR to be prepared for the project, and (3) notice the public scoping meeting.

NOTICE OF PREPARATION: The City of Brea, as Lead Agency, requests that responsible and trustee agencies respond in a manner consistent with § 15082(b) of the CEQA Guidelines. Pursuant to CEQA § 21080.4, responsible agencies must submit any comments in response to this notice no later than 30 days after receipt. The public review period will commence on **Friday, August 16, 2019**, and will close on **Monday, September 16, 2019.** A copy of the NOP is available for review at the City of Brea offices and at the Brea Branch of the Orange County Public Library.

City of Brea – Planning Division, Level 3
1 Civic Center Circle
Brea, CA 92821

Brea Library
1 Civic Center Circle, Level 1
Brea, CA 92821

The document can also be viewed electronically on the City's webpage at: www.cityofbrea.net/projectsinprocess

WRITTEN COMMENTS: We ask that any person wishing to comment on the NOP provide written comments by the end of the public review period at 5:00 p.m., **Monday, September 16, 2019,** addressed to Jessica M. Magaña, Associate Planner, City of Brea – Planning Division, at jessicam@ci.brea.ca.us, or by mail to the City of Brea at the address above.

PUBLIC SCOPING MEETING: The City will hold a scoping meeting in conjunction with this NOP in order to present the project and the EIR process, and to provide an opportunity for agency representatives and the public to assist the lead agency in determining the scope and content of the environmental analysis for the EIR. The meeting will be an Open House format. The public scoping meeting will be held at the time and location listed below:

Date: Wednesday, August 28, 2019
Time: 5:00 p.m. – 7:00 p.m.
Location: City of Brea City Hall, Community Room B
1 Civic Center Circle
Brea, CA 92821

PROPERTY LOCATION: As shown on Figure 1, *Aerial Photograph*, and Figure 2, *Regional Location*, The Brea Mall—1065 Brea Mall, City of Brea—encompasses approximately 74 acres in northeast Orange County. The Brea Mall is west of State Route 57 (SR-57) and is generally bounded by State College Boulevard to the east, Imperial Highway (State Route 91) to the south, South Randolph Avenue to the west, the City of Brea City Hall and Embassy Suites by Hilton to the northwest, and East Birch Street to the north. The project site is generally in the southwest portion of the Brea Mall site formerly occupied by Sears.

EXISTING CONDITIONS: The Brea Mall first opened its doors in 1977 with 306,000 square feet of retail space, originally anchored by Sears and May Company California. The mall has been through several expansions since then. The mall currently encompasses approximately 1,291,433 square feet and consists of a central retail core with major department stores ("anchors"), including Nordstrom (west side); JC Penney (north side); Macy's Men, Children, & Home (northeast side); and Macy's (southeast side). Surrounding the retail core are several free-standing retail structures along the Brea Mall Circle (referred to as the "outlot" or "out parcels"), including the Olive Garden, Red Lobster, and The Cheesecake Factory.[1] The mall can be accessed from three of the surrounding streets—State College Boulevard, South Randolph Avenue, and Birch Street. Mall parking is provided via surface spaces and three parking structures. On January 4, 2018, Sears (southwest side, former anchor) identified that, as part of a plan to close 103 stores nationwide, the Sears department store would be closing. Sears closed in April 2018. The first floor of the former Sears building is now being leased by a retail store.

PROJECT DESCRIPTION: As a result of the recent acquisition of the Sears parcel, the Simon Property Group is proposing redevelopment of the Sears parcel of the Brea Mall. The proposed redevelopment would be on a 17.5-acre area in the southwest portion of the mall site that includes the Sears parcel and adjoining transition areas adjacent to Nordstrom and Macy's. The proposed project involves demolishing the Sears department store and associated auto center (161,990 square feet) and 12 acres of surface parking in order to allow a mix of uses—including retail, for-rent residential apartments, a resort-type fitness center, and a public gathering space (large "central green" and plaza). Table 2, Brea Mall Mixed Use Project Land Use Summary, identifies the existing and proposed improvements. The project would result in a net increase of 149,625 square feet of retail use and 312 residential units on the approximately 17.5-acre portion of the Sears parcel within the 74-acre Brea Mall site. Figure 3, Conceptual Site Plan, shows the overall conceptual site plan, including both the residential and retail components, and outdoor plazas and gathering spaces. Figure 4, Conceptual Residential Building Site Plan, shows the conceptual site plan for the proposed residential building, and Figure 5, Conceptual Mall Buildings, shows the site plan for the main retail component developed around the outdoor plazas and gathering spaces. The project site is currently designated in the General Plan as Regional Commercial and zoned C-C Major Shopping Center Zone, with a P-D Precise Development overlay. The proposed project would require a General Plan Amendment and zone change to Mixed Use I to accommodate the proposed residential component of the project.

POTENTIAL SIGNIFICANT EFFECTS: As authorized by the State CEQA Guidelines, based on preliminary review, the City determined that it would prepare an EIR for the proposed project, and therefore, it is beginning work directly on the EIR process and will focus on potentially significant effects of the proposed project in that EIR, while briefly indicating the reasons that other effects will not be potentially significant. An Initial Study is not required to determine that an EIR will be prepared and is therefore not attached. The City EIR will discuss potential environmental impacts of the proposed project, including potential pre-construction, construction, and operations impacts. The DEIR will analyze potential environmental effects of the project, including: Air Quality, Cultural Resources, Greenhouse Gas Emissions, Land Use and Planning, Population and Housing, Noise, Transportation, and Tribal Cultural Resources. The project site is not on a list compiled pursuant to Government Code section 65962.5.

[1] There is a BJ's Restaurant at the corner of Imperial Highway and Randolph; however, the restaurant and its parking lot are a separate parcel not owned by the Simon Property Group or any of the retail anchors. Therefore, they are not considered part of the mall property.

Table 1 Brea Mall Mixed Use Project Land Use Summary

Tenant	Existing GLA (sq. ft.)	Demolition (sq. ft.)	New Construction GLA (sq. ft.)	Total Mall GLA (sq. ft.)
Major Department Stores				
Sears	161,990	-161,990	—	0
Macy's[1]	182,360	—	—	182,360
Nordstrom	176,540	—	—	176,540
JC Penny	135,800	—	—	135,800
Macy's Men & Home	192,060	—	—	192,060
Major Department Stores	**848,750**	**-161,990**	**0**	**686,760**
Small Shops				
Sporting Goods	—	—	50,019	50,019
Fitness Center	—	—	128,000	128,000
Level 1 Mall	224,522	—	123,053	347,575
Level 2 Mall	207,992	—	10,543	218,535
Total Small Shops	**432,514**	**0**	**311,615**	**744,129**
Outlots[1]				
Cheesecake Factory Outlot	10,169	—	—	10,169
Total Mall	**1,291,433**	**-161,990**	**311,615**	**1,441,058**
Residential				
Medium Density Residential (7-story)	—	—	312 units	312 units
Residential Square Feet	—	—	380,947	
Net Change from Existing	**—**	**—**	**312**	**149,625**

GLA = gross leasable area

1. Macy's owns the buildings occupied by Red Lobster and Olive Garden; therefore, the GLA for Macy's includes these restaurants. BJ's is not owned by Simon properties; therefore, the square footage for this outlot facility is not included in this table.

Date: August 15, 2019

Signature:

Jessica M. Magaña, Associate Planner

ATTACHMENTS:

Figure 1 – Aerial Photograph
Figure 2 – Regional Location
Figure 3 – Conceptual Site Plan
Figure 4 – Conceptual Residential Building Plan
Figure 5 – Conceptual Mall Buildings Site Plan

Figure 1 - Aerial Photograph

Brea Mall Boundary

Project Area Boundary

A Olive Garden

B Red Lobster

C Macy's

D Sears

E Nordstrom

F Nordstrom Parking Structure

G JCPenny

H Brea Civic Center Embassy

I Suites

J BJ's Brewhouse

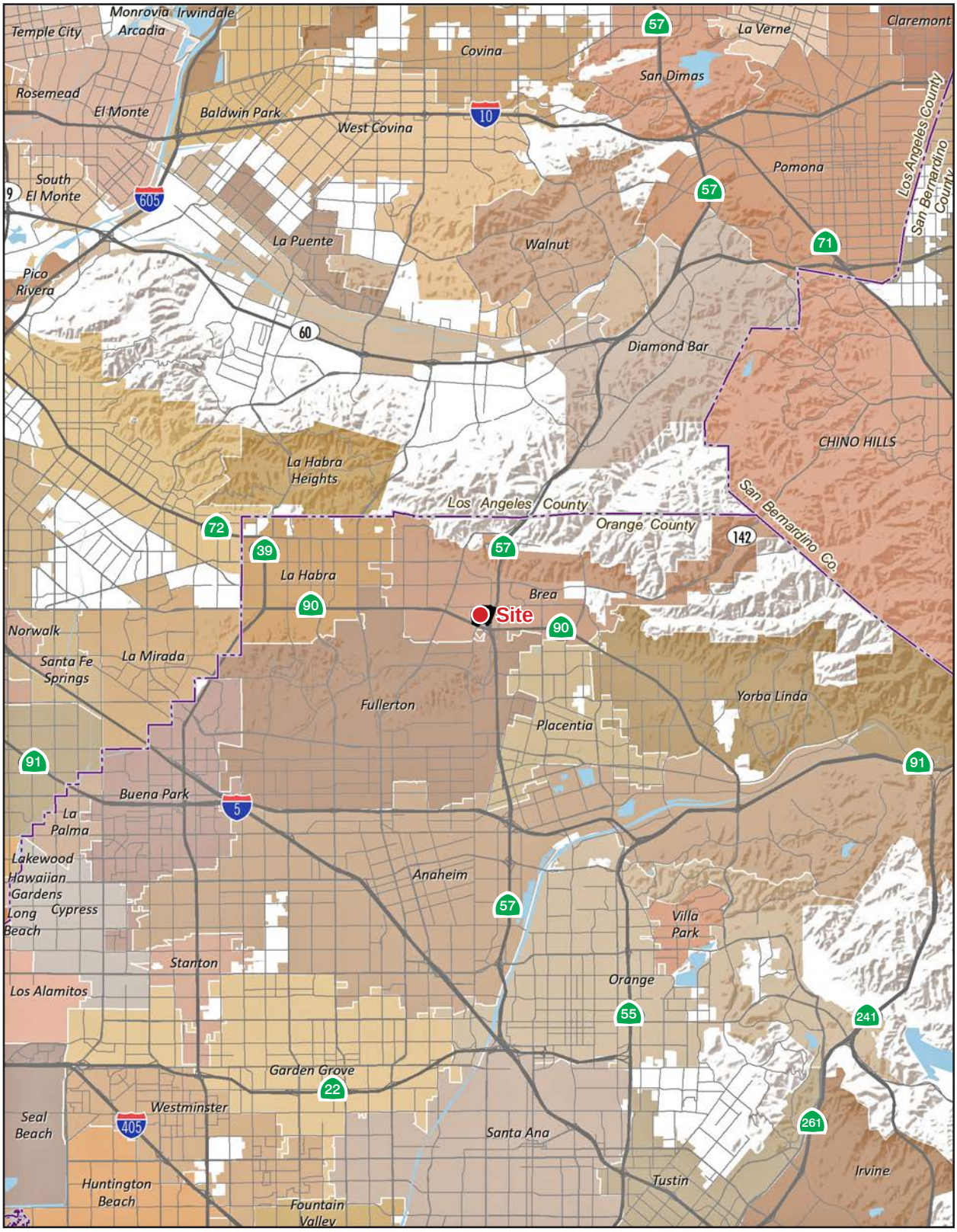
K Cheesecake Factory

0 700
Scale (Feet)

Source: ESRI, 2019

PlaceWorks

Figure 2 - Regional Location



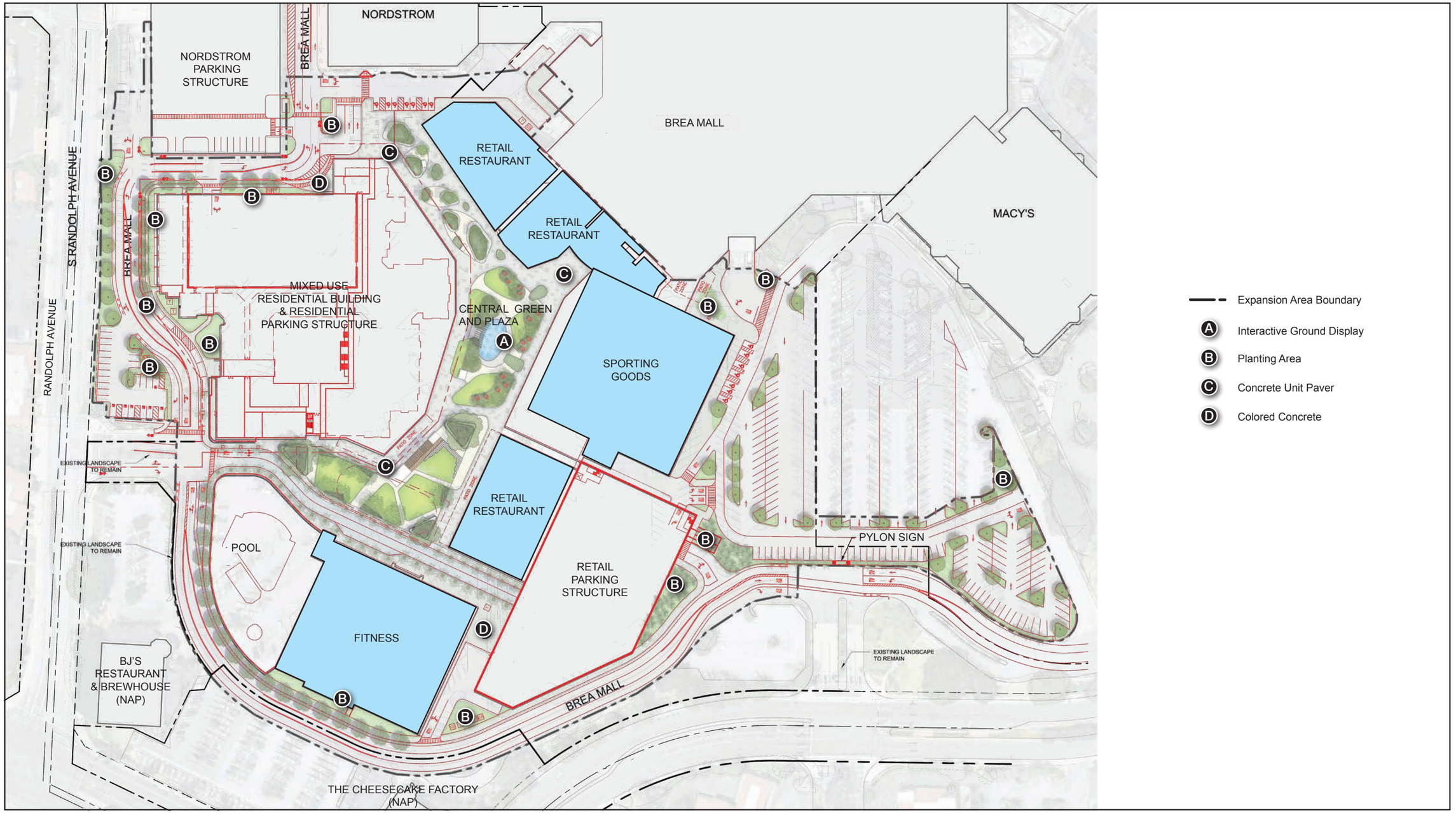
Note: Unincorporated county areas are shown in white.

Source: ESRI, 2019

0 3
Scale (Miles)

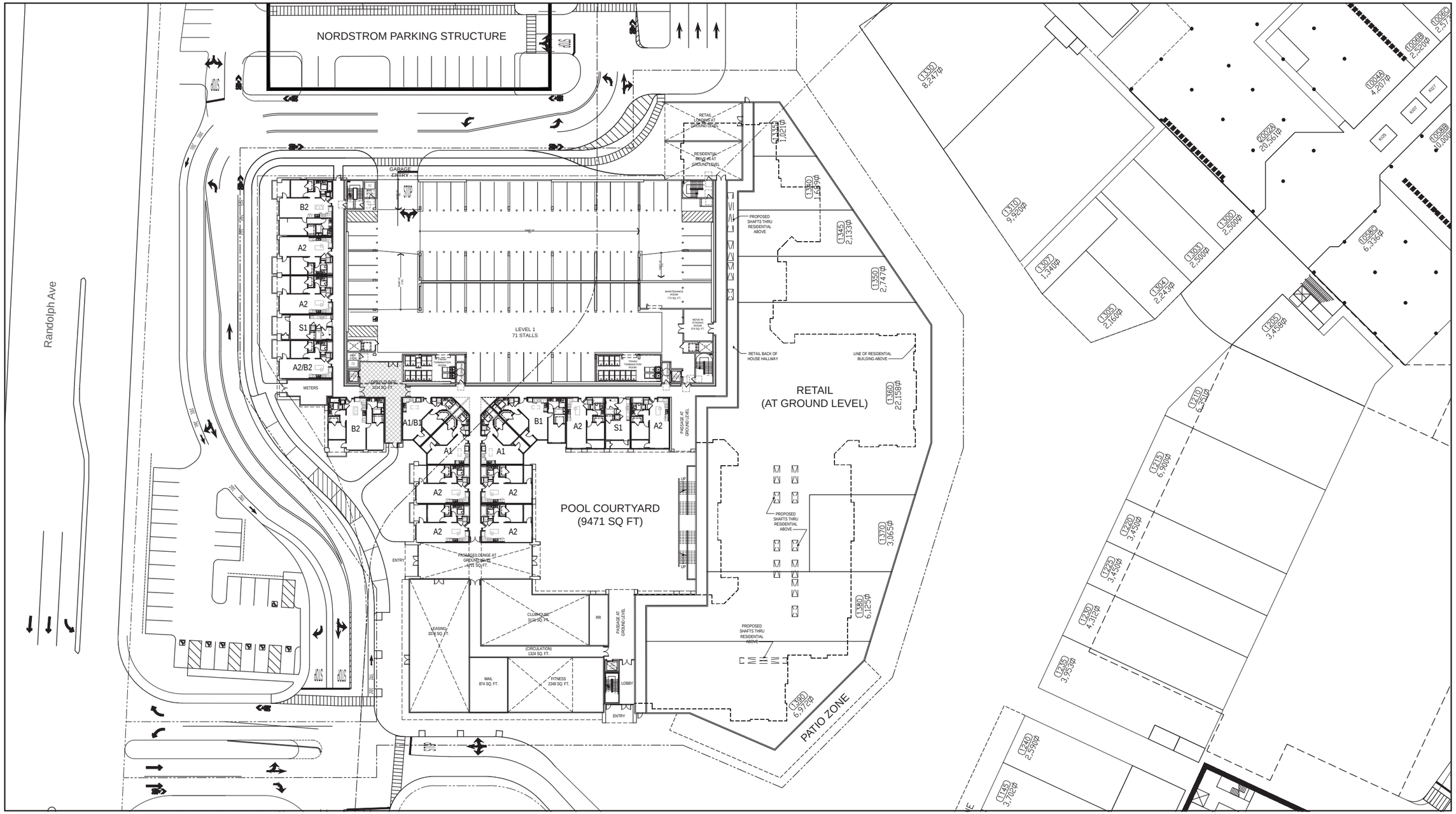
PlaceWorks

Figure 3 - Conceptual Site Plan



Source: 505 Design, 2019; raSmith, 2019

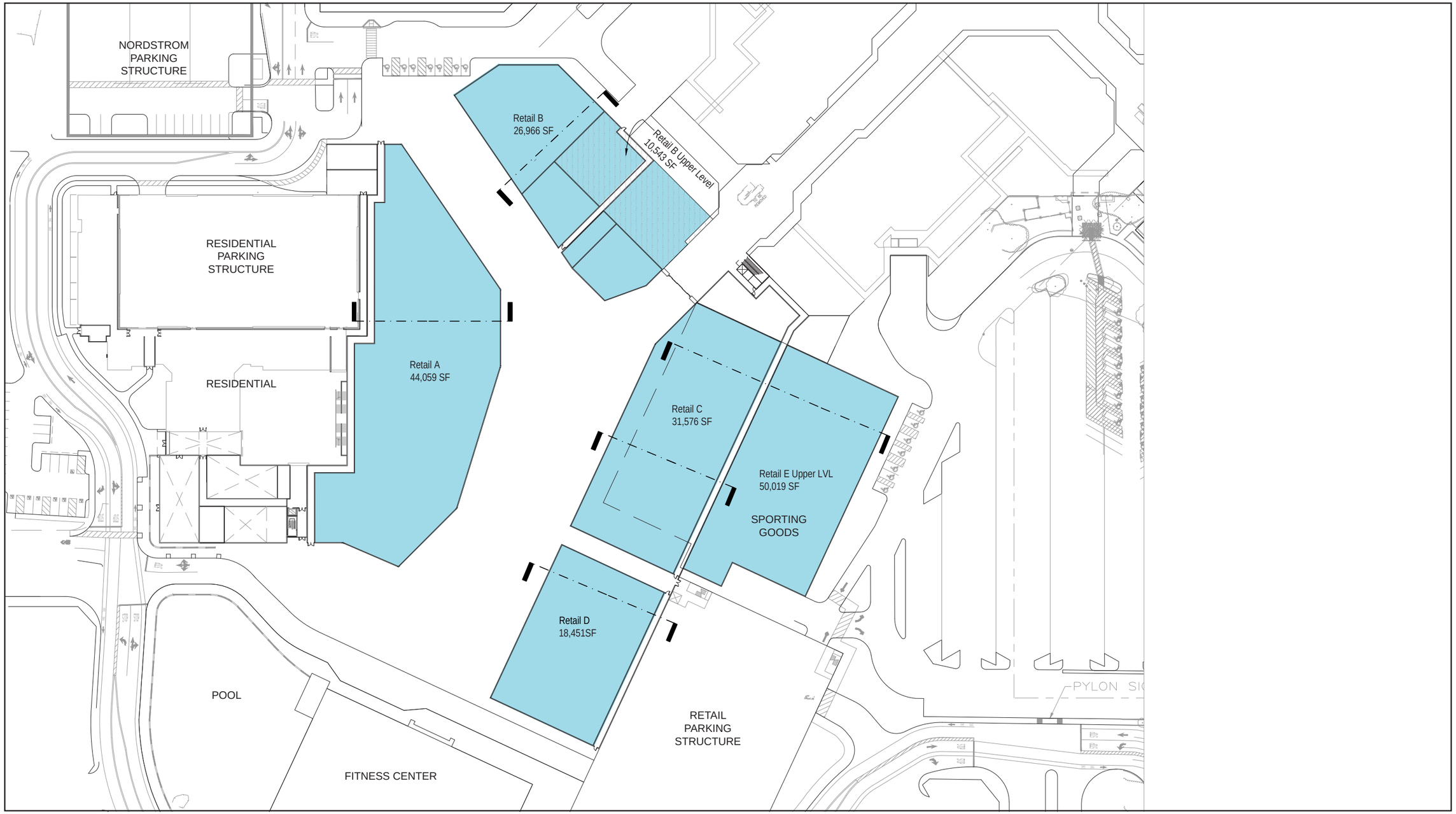
Figure 4 - Conceptual Residential Building Plan



0 60
Scale (Feet)

Source: Architects Orange, 2019

Figure 5 - Conceptual Mall Buildings Site Plan



Source: 505 Design, 2019

STATE OF CALIFORNIA
Governor's Office of Planning and Research
State Clearinghouse and Planning Unit

Gavin Newsom
Governor

Kate Gordon
Director

Notice of Preparation

August 16, 2019

To: Reviewing Agencies

Re: Brea Mall Mixed Use
SCH# 2019080299

Attached for your review and comment is the Notice of Preparation (NOP) for the Brea Mall Mixed Use draft Environmental Impact Report (EIR).

Responsible agencies must transmit their comments on the scope and content of the NOP, focusing on specific information related to their own statutory responsibility, within 30 days of receipt of the NOP from the Lead Agency. This is a courtesy notice provided by the State Clearinghouse with a reminder for you to comment in a timely manner. We encourage other agencies to also respond to this notice and express their concerns early in the environmental review process.

Please direct your comments to:

Jessica Magana
Brea, City of
1 Civic Center Circle
Brea, CA 92821

with a copy to the State Clearinghouse in the Office of Planning and Research at state.clearinghouse@opr.ca.gov . Please refer to the SCH number noted above in all correspondence concerning this project on our website: https://ceqanet.opr.ca.gov/2019080299/2.

If you have any questions about the environmental document review process, please call the State Clearinghouse at (916) 445-0613.

Sincerely,

Scott Morgan
Director, State Clearinghouse

cc: Lead Agency

1400 TENTH STREET P.O. BOX 3044 SACRAMENTO, CALIFORNIA 95812-3044
TEL 1-916-445-0613 state.clearinghouse@opr.ca.gov www.opr.ca.gov

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #2019080299

Project Title: Brea Mall Mixed Use

Lead Agency: City of Brea | Contact Person: Jessica Magana
Mailing Address: 1 Civic Center Circle | Phone: 714.990.7674
City: Brea | Zip: 92821 | County: Orange

Project Location: County: Orange | City/Nearest Community: Brea
Cross Streets: Brea Mall, E. Birch St, S.Randolph Ave, State College Blvd | Zip Code: 92821
Longitude/Latitude (degrees, minutes and seconds): -117 ° 53 ′ 13.11″ N / 33 ° 54 ′ 56.30″ W | Total Acres: 17.5
Assessor's Parcel No.: 319-101-26,37,62,63,64,71,73,75,76 | Section: | Twp.: 3S | Range: 10W | Base:
Within 2 Miles: State Hwy #: SR-90, SR-57 | Waterways: Brea Creek, Fullerton Creek
Airports: NA | Railways: NA | Schools: Brea Olinda USD

Document Type:

CEQA: ☒ NOP ☐ Draft EIR | NEPA: ☐ NOI | Other: ☐ Joint Document
☐ Early Cons ☐ Supplement/Subsequent EIR ☐ EA ☐ Final Document
☐ Neg Dec (Prior SCH No.) ☐ Draft EIS ☐ Other:
☐ Mit Neg Dec Other: ☐ FONSI

Governor's Office of Planning & Research
AUG 16 2019
STATE CLEARINGHOUSE

Local Action Type:

☐ General Plan Update ☐ Specific Plan ☒ Rezone ☐ Annexation
☒ General Plan Amendment ☐ Master Plan ☐ Prezone ☐ Redevelopment
☐ General Plan Element ☐ Planned Unit Development ☒ Use Permit ☐ Coastal Permit
☐ Community Plan ☒ Site Plan ☐ Land Division (Subdivision, etc.) ☐ Other:

Development Type:

☒ Residential: Units 312 Acres 8.75
☐ Office: Sq.ft. Acres Employees
☒ Commercial: Sq.ft. 311,615 Acres Employees
☐ Industrial: Sq.ft. Acres Employees
☐ Educational:
☐ Recreational:
☐ Water Facilities: Type MGD

☐ Transportation: Type
☐ Mining: Mineral
☐ Power: Type MW
☐ Waste Treatment: Type MGD
☐ Hazardous Waste: Type
☐ Other:

Project Issues Discussed in Document:

☒ Aesthetic/Visual ☐ Fiscal ☒ Recreation/Parks ☒ Vegetation
☒ Agricultural Land ☒ Flood Plain/Flooding ☒ Schools/Universities ☒ Water Quality
☒ Air Quality ☒ Forest Land/Fire Hazard ☐ Septic Systems ☒ Water Supply/Groundwater
☒ Archeological/Historical ☒ Geologic/Seismic ☒ Sewer Capacity ☒ Wetland/Riparian
☒ Biological Resources ☒ Minerals ☒ Soil Erosion/Compaction/Grading ☐ Growth Inducement
☐ Coastal Zone ☒ Noise ☒ Solid Waste ☒ Land Use
☒ Drainage/Absorption ☒ Population/Housing Balance ☒ Toxic/Hazardous ☐ Cumulative Effects
☐ Economic/Jobs ☒ Public Services/Facilities ☒ Traffic/Circulation ☐ Other:

Present Land Use/Zoning/General Plan Designation:

General Plan: Regional Commercial; Zoning: Major Shopping Center C-C

Project Description: *(please use a separate page if necessary)*

As a result of the recent acquisition of the Sear's parcel, the Simon Property Group is proposing redevelopment of the Brea Mall. The proposed redevelopment would be on a 17.5-acre area in the southwest portion of the mall site. The proposed project involves demolishing the Sears department store and associated auto center (161,990 square feet) and 12 acres of surface parking in order to allow a mix of uses—including retail, for-rent residential uses, a resort-type fitness center, and a public gathering space. The project would result in a net increase of 149,625 square feet of retail use and between 312 residential units on an approximately 17.5-acre portion of the 74-acre Brea Mall site. The proposed project would require a General Plan Amendment and zone change to Mixed Use I to accommodate the proposed residential component of the project

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with and "**X**".
If you have already sent your document to the agency please denote that with an "**S**".

X	Air Resources Board		Office of Historic Preservation
	Boating & Waterways, Department of		Office of Public School Construction
	California Emergency Management Agency		Parks & Recreation, Department of
	California Highway Patrol		Pesticide Regulation, Department of
X	Caltrans District # 12		Public Utilities Commission
	Caltrans Division of Aeronautics	X	Regional WQCB # 8
	Caltrans Planning		Resources Agency
	Central Valley Flood Protection Board		Resources Recycling and Recovery, Department of
	Coachella Valley Mtns. Conservancy		S.F. Bay Conservation & Development Comm.
	Coastal Commission		San Gabriel & Lower L.A. Rivers & Mtns. Conservancy
	Colorado River Board		San Joaquin River Conservancy
	Conservation, Department of		Santa Monica Mtns. Conservancy
	Corrections, Department of		State Lands Commission
	Delta Protection Commission		SWRCB: Clean Water Grants
	Education, Department of		SWRCB: Water Quality
	Energy Commission		SWRCB: Water Rights
X	Fish & Game Region #		Tahoe Regional Planning Agency
	Food & Agriculture, Department of		Toxic Substances Control, Department of
	Forestry and Fire Protection, Department of		Water Resources, Department of
	General Services, Department of		
	Health Services, Department of		Other:
	Housing & Community Development		Other:
X	Native American Heritage Commission		

Local Public Review Period (to be filled in by lead agency)

Starting Date August 16, 2019 Ending Date September 16, 2019

Lead Agency (Complete if applicable):

Consulting Firm: PlaceWorks
Address: 3 MacArthur Place
City/State/Zip: Santa Ana, CA 92707
Contact: Nicole Vermilion
Phone: 714-966-9220

Applicant: Simon Property Group
Address: 225 West Washington Street
City/State/Zip: Indianapolis, IN 46204
Phone:

Signature of Lead Agency Representative: [signature] **Date:** 8-14-19

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

NOP Distribution List

County: ORANGE CM

SCH# 2019080299

Resources Agency

- [■] **Resources Agency**
  Nadell Gayou
- [ ] **Dept. of Boating & Waterways**
  Denise Peterson
- [ ] **California Coastal Commission**
  Allyson Hitt
- [ ] **Colorado River Board**
  Elsa Contreras
- [ ] **Dept. of Conservation**
  Crina Chan
- [▨] **Cal Fire**
  Dan Foster
- [ ] **Central Valley Flood Protection Board**
  James Herota
- [ ] **Office of Historic Preservation**
  Ron Parsons
- [■] **Dept of Parks & Recreation**
  Environmental Stewardship Section
- [ ] **S.F. Bay Conservation & Dev't. Comm.**
  Steve Goldbeck
- [▨] **Dept. of Water Resources**
  Resources Agency
  Nadell Gayou

Fish and Wildlife

- [ ] **Depart. of Fish & Wildlife**
  Scott Flint
  Environmental Services Division
- [ ] **Fish & Wildlife Region 1**
  Curt Babcock
- [ ] **Fish & Wildlife Region 1E**
  Laurie Harnsberger
- [ ] **Fish & Wildlife Region 2**
  Jeff Drongesen
- [ ] **Fish & Wildlife Region 3**
  Craig Weightman
- [ ] **Fish & Wildlife Region 4**
  Julie Vance
- [▨] **Fish & Wildlife Region 5**
  Leslie Newton-Reed
  Habitat Conservation Program
- [ ] **Fish & Wildlife Region 6**
  Tiffany Ellis
  Habitat Conservation Program
- [ ] **Fish & Wildlife Region 6 I/M**
  Heidi Calvert
  Inyo/Mono, Habitat Conservation Program
- [ ] **Dept. of Fish & Wildlife M**
  William Paznokas
  Marine Region

Other Departments

- [ ] **California Department of Education**
  Lesley Taylor
- [ ] **OES (Office of Emergency Services)**
  Monique Wilber
- [ ] **Food & Agriculture**
  Sandra Schubert
  Dept. of Food and Agriculture
- [ ] **Dept. of General Services**
  Cathy Buck
  Environmental Services Section
- [ ] **Housing & Comm. Dev.**
  CEQA Coordinator
  Housing Policy Division

Independent Commissions,Boards

- [ ] **Delta Protection Commission**
  Erik Vink
- [ ] **Delta Stewardship Council**
  Anthony Navasero
- [ ] **California Energy Commission**
  Eric Knight
- [■] **Native American Heritage Comm.**
  Debbie Treadway
- [ ] **Public Utilities Commission**
  Supervisor
- [ ] **Santa Monica Bay Restoration**
  Guangyu Wang
- [ ] **State Lands Commission**
  Jennifer Deleong
- [ ] **Tahoe Regional Planning Agency (TRPA)**
  Cherry Jacques

Cal State Transportation Agency CalSTA

- [ ] **Caltrans - Division of Aeronautics**
  Philip Crimmins
- [ ] **Caltrans – Planning HQ LD-IGR**
  Christian Bushong
- [▨] **California Highway Patrol**
  Suzann Ikeuchi
  Office of Special Projects

Dept. of Transportation

- [ ] **Caltrans, District 1**
  Rex Jackman
- [ ] **Caltrans, District 2**
  Marcelino Gonzalez
- [ ] **Caltrans, District 3**
  Susan Zanchi
- [ ] **Caltrans, District 4**
  Patricia Maurice
- [ ] **Caltrans, District 5**
  Larry Newland
- [ ] **Caltrans, District 6**
  Michael Navarro
- [ ] **Caltrans, District 7**
  Dianna Watson
- [ ] **Caltrans, District 8**
  Mark Roberts
- [ ] **Caltrans, District 9**
  Gayle Rosander
- [ ] **Caltrans, District 10**
  Tom Dumas
- [ ] **Caltrans, District 11**
  Jacob Armstrong
- [▨] **Caltrans, District 12**
  Maureen El Harake

Cal EPA

Air Resources Board

- [ ] **Airport & Freight**
  Jack Wursten
  - [ ] **Transportation Projects**
    Nesamani Kalandiyur
  - [▨] **Industrial/Energy Projects**
    Mike Tollstrup
- [▨] **California Department of Resources, Recycling & Recovery**
  Kevin Taylor/Jeff Esquivel
- [ ] **State Water Resources Control Board**
  Regional Programs Unit
  Division of Financial Assistance
- [▨] **State Water Resources Control Board**
  Cindy Forbes – Asst Deputy
  Division of Drinking Water
- [ ] **State Water Resources Control Board**
  Div. Drinking Water #_____
- [ ] **State Water Resources Control Board**
  Student Intern, 401 Water Quality Certification Unit
  Division of Water Quality
- [ ] **State Water Resouces Control Board**
  Phil Crader
  Division of Water Rights
- [ ] **Dept. of Toxic Substances Control Reg. #_____**
  CEQA Tracking Center
- [ ] **Department of Pesticide Regulation**
  CEQA Coordinator

Regional Water Quality Control Board (RWQCB)

- [ ] **RWQCB 1**
  Cathleen Hudson
  North Coast Region (1)
- [ ] **RWQCB 2**
  Environmental Document Coordinator
  San Francisco Bay Region (2)
- [ ] **RWQCB 3**
  Central Coast Region (3)
- [ ] **RWQCB 4**
  Teresa Rodgers
  Los Angeles Region (4)
- [ ] **RWQCB 5S**
  Central Valley Region (5)
  - [ ] **RWQCB 5F**
    Central Valley Region (5)
    Fresno Branch Office
  - [ ] **RWQCB 5R**
    Central Valley Region (5)
    Redding Branch Office
- [ ] **RWQCB 6**
  Lahontan Region (6)
  - [ ] **RWQCB 6V**
    Lahontan Region (6)
    Victorville Branch Office
- [ ] **RWQCB 7**
  Colorado River Basin Region (7)
- [▨] **RWQCB 8**
  Santa Ana Region (8)
- [ ] **RWQCB 9**
  San Diego Region (9)

- [ ] **Other** _____

_____

_____

- [▨] San Gabriel & Lower LA Conservancy

NATIVE AMERICAN HERITAGE COMMISSION
Cultural and Environmental Department
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691 Phone: (916) 373-3710
Email: nahc@nahc.ca.gov
Website: http://www.nahc.ca.gov

Governor's Office of Planning & Research

AUG 26 2019

STATE CLEARINGHOUSE

August 23, 2019

Jessica Magana
Brea, City of
1 Civic Center Circle
Brea, CA 92821

RE: SCH# 2019080299, Brea Mall Mixed Use Project, Orange County

Dear Ms. Magana:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP) for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements**. If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:
   - **a.** A brief description of the project.
   - **b.** The lead agency contact information.
   - **c.** Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
   - **d.** A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).
   - **a.** For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:
   - **a.** Alternatives to the project**.**
   - **b.** Recommended mitigation measures**.**
   - **c.** Significant effects**.** (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:
   - **a.** Type of environmental review necessary.
   - **b.** Significance of the tribal cultural resources.
   - **c.** Significance of the project's impacts on tribal cultural resources.
   - **d.** If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:
   - **a.** Whether the proposed project has a significant impact on an identified tribal cultural resource.
   - **b.** Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:
    a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or
    b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:
    a. Avoidance and preservation of the resources in place, including, but not limited to:
        i. Planning and construction to avoid the resources and protect the cultural and natural context.
        ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
    b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:
        i. Protecting the cultural character and integrity of the resource.
        ii. Protecting the traditional use of the resource.
        iii. Protecting the confidentiality of the resource.
    c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.
    d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).
    e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).
    f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:
    a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.
    b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.
    c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (http://ohp.parks.ca.gov/?page_id=1068) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
    b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:
    a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
    b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
    a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
    b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
    c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green
Staff Services Analyst

cc: State Clearinghouse

DEPARTMENT OF TRANSPORTATION
DISTRICT 12
1750 EAST FOURTH STREET, SUITE 100
SANTA ANA, CA 92705
PHONE (657) 328-6368
FAX (657) 328-6510
TTY 711
www.dot.ca.gov

Making Conservation a California Way of Life.

September 13, 2019

Jessica Magana
City of Brea
Planning Division, Level 3
1 Civic Center Circle
Brea, CA. 92821

File: IGR/CEQA
12-ORA-2019-01200
Brea Mall Mixed Use

Dear Ms. Magana,

Thank you for including the California Department of Transportation (Caltrans) in the review of the Draft Environmental Impact Report (DEIR), for the City of Brea. The mission of Caltrans is to provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability.

The proposed Brea Mall Mixed Used Project would be on a 17.5-acre area in the southwest portion of the mall site that includes the Sears parcel and adjoining transition areas adjacent to Nordstrom and Macy's. The proposed project involves demolishing the Sears department store and associated auto center (161,990 square feet) and 12 acres of surface parking in order to allow a mix of uses - including retail, for-rent residential apartments, a resort-type fitness center, and a public gathering space (large "central green" and plaza).

The Brea Mall is less than one eighth of a mile west of State Route 57 (SR 57) and is generally bounded by State College Boulevard to the east, Imperial Highway (also known as SR 90) to the south, South Randolph Avenue to the west, and East Birch Street to the north. The project site is generally in the southwest portion of the Brea Mall site formerly occupied by Sears.

The project site is less than 0.25 of a mile west of SR 57, and less than 0.1 mile north of SR 90. Both SR 57 and SR 90 are overseen by Caltrans, and as a responsible agency, Caltrans has the following comment:

Traffic Operations Comments:

1. The following State facilities are to be analyzed for impacts and mitigation as needed per Caltrans Guide for the Preparation of Traffic Impact Studies:
    a) Freeway Segments (Basic, Weaving, Merge and Diverge)
    b) Ramp Terminals.
    c) Multi-Lane Highways
    d) Signalized Intersections

2. Analysis of State Facilities within the influence of the project is requested.

3. The Department is concerned with the additional traffic onto freeway off ramps and the queuing effects onto the mainline and the adverse operational and safety impacts. Therefore, a queuing analysis is requested for all off ramps within the study area.

4. The analysis provided for signalized intersections uses the Intersection Capacity Utilization (ICU) method. Traffic Operations requests the use of the latest version of the Highway Capacity Manual (HCM) methodologies when analyzing traffic impacts on State Transportation Facilities.

5. After the Traffic Impact Study is prepared, please submit a copy to Caltrans for review.

Systems Planning

1. The District 4 Bikeways Strategies (2012) identifies the Brea Mall – CSUF – Santa Ana River Regional Bikeway Corridor as a Tier 1 project for OCTA. Tier 1 projects "have been designated as the 'focus corridors' for implementation and inclusion in grant funding applications." Much of the northern portion of this corridor is already built, but a proposed spur would connect from Class II bike lanes on Associated Road, through Craig Regional Park, to the southeast corner of Brea Mall on Imperial Hwy. In further development of bicycle connectivity, consider good connections to both existing and proposed bikeways near the project area. For more information on the OCTA District 4 Bikeways Strategies, please visit: http://www.octa.net/Bike/Bikeways-Planning/

2. Consider providing appropriate safety measures for bicyclists and pedestrians in the project area, such as pedestrian-oriented LED lighting, wayfinding signage, and continental crosswalk striping. This encourages residents to utilize bicycling and walking as forms of transportation, thus improving air quality, reducing congestion, and increasing regional connectivity.
    a. According to the City of Brea's General Plan Circulation Element (2003), there are existing and proposed Class II bicycle lanes on Birch Street and State College Boulevard. Connections to these facilities encourage Active Transportation, improve regional connectivity, and increase safety for residents who bicycle.
    b. Consider providing connections to The Tracks at Brea, an existing Class I multiuse trail located approximately 0.5 miles north of the project site. Several access points to the trail are in the project vicinity. The trail is also part of the OC Loop, a 66-mile Active Transportation facility running through several cities in Orange County. Ensuring residents have safe access to the trail increases regional connectivity and promotes walking and bicycling. Caltrans also recommends providing wayfinding signage to the trail near the project site to guide users to the trail.

3. Clarify the types of bicycle facilities (i.e., Class II, Class III, etc.) in the project area. According to the site plans in the NOP, it appears that there are proposed Class II and Class III facilities on the project site. Consistency in bicycle facilities are recommended to increase safety for all roadway users, since movements by bicycles and vehicles will be more predictable.

4. Consider providing a larger amount of secure bicycle storage. There will be 312 housing units in the new development and, in the site plans, it appears that only two bicycle storage facilities are available to residents, with each facility holding ten bicycles. Sufficient bicycle storage ensures that there is enough space to accommodate for current and future bicycle demands. Secure storage encourages residents to utilize bicycling to access destinations, thus increasing regional connectivity, improving air quality, and reducing congestion. Multiple destinations and trails are within bicycling distance, such as Downtown Brea, The Tracks at Brea, Craig Regional Park, and Brea Marketplace Shopping Center.

5. Please consider incorporating designated areas/parking for freight delivery, package and transportation network companies pick up and drop off in the site plan design for this project.

Permits:

- Any project work proposed in the vicinity of the State right of way will require an encroachment permit, and all environmental concerns must be adequately addressed. Please coordinate with Caltrans in order to meet the requirements for any work within or near State Right-of-Way. A fee may apply. If the cost of work within the State right of way is below one Million Dollars, the Encroachment Permit process will be handled by our Permits Branch; otherwise the permit should be authorized through the Caltrans's Project Development Department. When applying for Encroachment Permit, please incorporate all Environmental Documentation, SWPPP/ WPCP, Hydraulic Calculations, R/W certification and all relevant design details including design exception approvals. For specific details for Encroachment Permits procedure, please refer to the Caltrans's Encroachment Permits Manual. The latest edition of the Manual is available on the web site: http://www.dot.ca.gov/hq/traffops/developserv/permits/

Please continue to coordinate with Caltrans for any future developments that could potentially impact State transportation facilities. If you have any questions, do not hesitate to contact Julie Lugaro at 657-328-6368 or Julie.lugaro@dot.ca.gov.

Sincerely,

SCOTT SHELLEY
Branch Chief, Regional-IGR-Transit Planning
District 12

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

SENT VIA USPS AND E-MAIL:
jessicam@ci.brea.ca.us
Jessica M. Magana, Associate Planner
City of Brea, Planning Division
1 Civic Center Circle
Brea, CA 92821

September 10, 2019

Notice of Preparation of a Draft Environmental Impact Report for Brea Mall Mixed Use Project

The South Coast Air Quality Management District (South Coast AQMD) staff appreciates the opportunity to comment on the above-mentioned document. South Coast AQMD staff's comments are recommendations regarding the analysis of potential air quality impacts from the Proposed Project that should be included in the Draft Environmental Impact Report (EIR). Please send South Coast AQMD a copy of the Draft EIR upon its completion. Note that copies of the Draft EIR that are submitted to the State Clearinghouse are not forwarded to South Coast AQMD. Please forward a copy of the Draft EIR directly to South Coast AQMD at the address shown in the letterhead. **In addition, please send with the Draft EIR all appendices or technical documents related to the air quality, health risk, and greenhouse gas analyses and electronic versions of all air quality modeling and health risk assessment files[1]. These include emission calculation spreadsheets and modeling input and output files (not PDF files). Without all files and supporting documentation, South Coast AQMD staff will be unable to complete our review of the air quality analyses in a timely manner. Any delays in providing all supporting documentation will require additional time for review beyond the end of the comment period.**

Air Quality Analysis

South Coast AQMD adopted its California Environmental Quality Act (CEQA) Air Quality Handbook in 1993 to assist other public agencies with the preparation of air quality analyses. South Coast AQMD recommends that the Lead Agency use this Handbook as guidance when preparing its air quality analysis. Copies of the Handbook are available from South Coast AQMD's Subscription Services Department by calling (909) 396-3720. More guidance developed since this Handbook is also available on South Coast AQMD's website at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993). South Coast AQMD staff also recommends that the Lead Agency use the CalEEMod land use emissions software. This software has recently been updated to incorporate up-to-date state and locally approved emission factors and methodologies for estimating pollutant emissions from typical land use development. CalEEMod is the only software model maintained by the California Air Pollution Control Officers Association (CAPCOA) and replaces the now outdated URBEMIS. This model is available free of charge at: www.caleemod.com.

South Coast AQMD has also developed both regional and localized significance thresholds. South Coast AQMD staff requests that the Lead Agency quantify criteria pollutant emissions and compare the results

[1] Pursuant to the CEQA Guidelines Section 15174, the information contained in an EIR shall include summarized technical data, maps, plot plans, diagrams, and similar relevant information sufficient to permit full assessment of significant environmental impacts by reviewing agencies and members of the public. Placement of highly technical and specialized analysis and data in the body of an EIR should be avoided through inclusion of supporting information and analyses as appendices to the main body of the EIR. Appendices to the EIR may be prepared in volumes separate from the basic EIR document, but shall be readily available for public examination and shall be submitted to all clearinghouses which assist in public review.

to South Coast AQMD's CEQA regional pollutant emissions significance thresholds to determine air quality impacts. South Coast AQMD's CEQA regional pollutant emissions significance thresholds can be found here: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf. In addition to analyzing regional air quality impacts, South Coast AQMD staff recommends calculating localized air quality impacts and comparing the results to localized significance thresholds (LSTs). LSTs can be used in addition to the recommended regional significance thresholds as a second indication of air quality impacts when preparing a CEQA document. Therefore, when preparing the air quality analysis for the Proposed Project, it is recommended that the Lead Agency perform a localized analysis by either using the LSTs developed by South Coast AQMD staff or performing dispersion modeling as necessary. Guidance for performing a localized air quality analysis can be found at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds.

The Lead Agency should identify any potential adverse air quality impacts that could occur from all phases of the Proposed Project and all air pollutant sources related to the Proposed Project. Air quality impacts from both construction (including demolition, if any) and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips). Operation-related air quality impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality impacts from indirect sources, such as sources that generate or attract vehicular trips, should be included in the analysis.

Mobile Source Health Risk Assessment

Notwithstanding the court rulings, South Coast AQMD staff recognizes that the Lead Agencies that approve CEQA documents retain the authority to include any additional information they deem relevant to assessing and mitigating the environmental impacts of a project. Because of South Coast AQMD staff's concern about the potential public health impacts of siting sensitive populations within close proximity of freeways and other sources of air pollution, South Coast AQMD staff recommends that, prior to approving the project, Lead Agencies consider the impacts of air pollutants on people who will live in a new project and provide mitigation where necessary.

When specific development is reasonably foreseeable as result of the goals, policies, and guidelines in the Proposed Project, the Lead Agency should identify any potential adverse health risk impacts using its best efforts to find out and a good-faith effort at full disclosure in the CEQA document. Based on a review of aerial photographs and the Vicinity and Regional Map in the Notice of Preparation, South Coast AQMD staff found that the Proposed Project will be located in proximity to State Route 90 (SR-90), which, in 2013, had 4,118 daily truck traffic with 37% of them being 4- and 5-axle trucks at the intersection of SR-90 and State Route 57 (Post Mile R.5.453)[2]. Because of the proximity to the existing freeway and a potential source of air pollution, residents at the Proposed Project[3] would be exposed to diesel particulate matter (DPM), which is a toxic air contaminant and a carcinogen. Diesel particulate matter emitted from diesel powered engines (such as trucks) has been classified by the state as a toxic air contaminant and a carcinogen. Since future residences at the Proposed Project would be exposed to toxic emissions from the nearby sources of air pollution (e.g., diesel fueled highway trucks), South Coast AQMD staff

[2] California Department of Transportation. 2013. *Truck Traffic: Annual Average Daily Truck Traffic*. Accessed at: https://dot.ca.gov/-/media/dot-media/programs/traffic-operations/documents/2013-aadt-truck-a11y.pdf.

[3] According to the Project Description in the Notice of Preparation, the Proposed Project would include, among others, a 380,947-square-foot building with 312 residential units on 17.5 acres.

recommends that the Lead Agency conduct a health risk assessment (HRA)[4] to disclose the potential health risks to the residents in the EIR[5].

Guidance Regarding Residences Sited Near a High-Volume Freeway or Other Sources of Air Pollution
South Coast AQMD staff recognizes that there are many factors Lead Agencies must consider when making local planning and land use decisions. To facilitate stronger collaboration between Lead Agencies and the South Coast AQMD to reduce community exposure to source-specific and cumulative air pollution impacts, the South Coast AQMD adopted the Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning in 2005. This Guidance Document provides suggested policies that local governments can use in their General Plans or through local planning to prevent or reduce potential air pollution impacts and protect public health. South Coast AQMD staff recommends that the Lead Agency review this Guidance Document as a tool when making local planning and land use decisions. This Guidance Document is available on South Coast AQMD's website at: http://www.aqmd.gov/docs/default-source/planning/air-quality-guidance/complete-guidance-document.pdf. Additional guidance on siting incompatible land uses (such as placing homes near freeways or other polluting sources) can be found in the California Air Resources Board's (CARB) *Air Quality and Land Use Handbook: A Community Health Perspective*, which can be found at: http://www.arb.ca.gov/ch/handbook.pdf. Guidance[6] on strategies to reduce air pollution exposure near high-volume roadways can be found at: https://www.arb.ca.gov/ch/rd_technical_advisory_final.PDF.

Mitigation Measures
In the event that the Proposed Project generates significant adverse air quality impacts, CEQA requires that all feasible mitigation measures that go beyond what is required by law be utilized during project construction and operation to minimize these impacts. Pursuant to CEQA Guidelines Section 15126.4 (a)(1)(D), any impacts resulting from mitigation measures must also be discussed. Several resources are available to assist the Lead Agency with identifying potential mitigation measures for the Proposed Project, including:

- Chapter 11 of South Coast AQMD's CEQA Air Quality Handbook
- South Coast AQMD's CEQA web pages available here: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mitigation-measures-and-control-efficiencies
- South Coast AQMD's Rule 403 – Fugitive Dust, and the Implementation Handbook for controlling construction-related emissions and Rule 1403 – Asbestos Emissions from Demolition/Renovation Activities
- South Coast AQMD's Mitigation Monitoring and Reporting Plan (MMRP) for the 2016 Air Quality Management Plan (2016 AQMP) available here (starting on page 86): http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2017/2017-mar3-035.pdf
- California Air Pollution Control Officers Association (CAPCOA)'s *Quantifying Greenhouse Gas Mitigation Measures* available here:

[4] South Coast AQMD. "*Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis.*" Accessed at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis.

[5] South Coast AQMD has developed the CEQA significance threshold of 10 in one million for cancer risk. When South Coast AQMD acts as the Lead Agency, South Coast AQMD staff conducts a HRA, compares the maximum cancer risk to the threshold of 10 in one million to determine the level of significance for health risk impacts, and identifies mitigation measures if the risk is found to be significant.

[6] In April 2017, CARB published a technical advisory, *Strategies to Reduce Air Pollution Exposure Near High-Volume Roadways: Technical Advisory*, to supplement CARB's Air Quality and Land Use Handbook: A Community Health Perspective. This technical advisory is intended to provide information on strategies to reduce exposures to traffic emissions near high-volume roadways to assist land use planning and decision-making in order to protect public health and promote equity and environmental justice. The technical advisory is available at: https://www.arb.ca.gov/ch/landuse.htm.

http://www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf

Health Risk Reduction Strategies

As stated above, the Proposed Project is located in proximity to SR-90. Many strategies are available to reduce exposure, including, but are not limited to, building filtration systems with Minimum Efficiency Reporting Value (MERV) 13 or better, or in some cases, MERV 15 or better is recommended; building design, orientation, location; vegetation barriers or landscaping screening, etc. Enhanced filtration units are capable of reducing exposures. Installation of enhanced filtration units can be verified during occupancy inspection prior to the issuance of an occupancy permit.

Enhanced filtration systems have limitations. South Coast AQMD staff recommends that the Lead Agency consider the limitations of the enhanced filtration. For example, in a study that South Coast AQMD conducted to investigate filters[7], a cost burden is expected to be within the range of $120 to $240 per year to replace each filter. The initial start-up cost could substantially increase if an HVAC system needs to be installed. In addition, because the filters would not have any effectiveness unless the HVAC system is running, there may be increased energy costs to the residents. It is typically assumed that the filters operate 100 percent of the time while residents are indoors, and the environmental analysis does not generally account for the times when the residents have their windows or doors open or are in common space areas of the project. Furthermore, these filters have no ability to filter out any toxic gases from vehicle exhaust. Therefore, the presumed effectiveness and feasibility of any filtration units should be carefully evaluated in more detail prior to assuming that they will sufficiently alleviate exposures to toxic emissions.

Because of the limitations, to ensure that enhanced filters are enforceable throughout the lifetime of the Proposed Project as well as effective in reducing exposures to DPM emissions, South Coast AQMD staff recommends that the Lead Agency provide additional details regarding the ongoing, regular maintenance and monitoring of filters in the Draft EIR. To facilitate a good faith effort at full disclosure and provide useful information to future sensitive receptors who will live and/or work in proximity to SR-90, the Lead Agency should include the following information in the Draft EIR, at a minimum:

- Disclosure on potential health impacts to prospective residents from living and/or working in proximity to freeways, and the reduced effectiveness of air filtration system when windows are open and when tenants are outdoor;
- Identification of the responsible implementing and enforcement agency such as the Lead Agency for ensuring that enhanced filters are installed on-site at the Proposed Project before a permit of occupancy is issued;
- Identification of the responsible implementing and enforcement agency such as the Lead Agency's building and safety inspection unit to provide periodic, regular inspection on filters;
- Provide information and guidance to the Project developer or proponent on the importance of filter installation and ongoing monitoring and maintenance;
- Provide information to residents about where the MERV filers can be purchased;
- Disclosure on increased costs for purchasing enhanced filtration systems to prospective residents;
- Disclosure on increased energy costs for running the HVAC system with MERV filters to prospective residents;
- Disclosure on recommended schedules (e.g., once a year or every six months) for replacing the enhanced filtration units to prospective residents;

[7] This study evaluated filters rated MERV 13 or better. Accessed at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/aqmdpilotstudyfinalreport.pdf. Also see 2012 Peer Review Journal article by South Coast AQMD: http://d7.iqair.com/sites/default/files/pdf/Polidori-et-al-2012.pdf.

- Identification of the responsible entity such as residents, tenants, Homeowner's Association (HOA) or property management to ensure filters are replaced on time, if appropriate and feasible;
- Develop ongoing cost sharing strategies between the HOA and residents/tenants, if available, for replacing the enhanced filtration units;
- Set up criteria for assessing progress in installing, replacing, and maintaining the enhanced filtration units; and
- Set up process for evaluating the effectiveness of the enhanced filtration units at the Proposed Project.

Alternatives

In the event that the Proposed Project generates significant adverse air quality impacts, CEQA requires the consideration and discussion of alternatives to the project or its location which are capable of avoiding or substantially lessening any of the significant effects of the project. The discussion of a reasonable range of potentially feasible alternatives, including a "no project" alternative, is intended to foster informed decision-making and public participation. Pursuant to CEQA Guidelines Section 15126.6(d), the Draft EIR shall include sufficient information about each alternative to allow meaningful evaluation, analysis, and comparison with the Proposed Project.

Permits

In the event that the Proposed Project requires a permit from South Coast AQMD, South Coast AQMD should be identified as a responsible agency for the Proposed Project. For more information on permits, please visit South Coast AQMD webpage at: http://www.aqmd.gov/home/permits. Questions on permits can be directed to South Coast AQMD's Engineering and Permitting staff at (909) 396-3385.

Data Sources

South Coast AQMD rules and relevant air quality reports and data are available by calling South Coast AQMD's Public Information Center at (909) 396-2039. Much of the information available through the Public Information Center is also available at South Coast AQMD's webpage at: http://www.aqmd.gov.

South Coast AQMD staff is available to work with the Lead Agency to ensure that project air quality impacts are accurately evaluated and any significant impacts are mitigated where feasible. If you have any questions regarding this letter, please contact me at lsun@aqmd.gov.

Sincerely,

Lijin Sun

Lijin Sun, J.D.
Program Supervisor, CEQA IGR
Planning, Rule Development & Area Sources

LS
ORC190816-04
Control Number

From: Magana, Jessica
To: Nicole Vermilion
Cc: Jasmine Osman
Subject: Fwd: Brea Mall Mixed Use Project
Date: Monday, September 16, 2019 6:06:46 PM

From: Cynthia Lorene [redacted]
Date: August 28, 2019 at 8:16:34 PM PDT
To: <jessicam@cityofbrea.net>
Subject: Brea Mall Mixed Use Project

Dear Jessica,

Thank you for the opportunity to provide feedback.

I was discussing with another Brea resident the concern regarding the traffic flow to the Brea Mall once this project is complete. On a daily basis, Brea gets considerable traffic on Lamber Rd going to and from Carbon Canyon. Occasionally, Brea gets detoured traffic along Lambert Rd, Brea Blvd, and Imperial Hwy from the 57 freeways due to traffic accidents.. This traffic is caused by rush hour traffic, which could impact traffic traveling within the area of the Brea Mall. Additionally, holiday traffic could be impacted as more visitors are expected to visit the area.

The concern primarily is for the flow of traffic within the mall area and the surrounding areas as people approach and leave the mall. An assessment should be done for daily, workday traffic and weekend traffic (especially with new restaurants coming to The Pomenade area and the new comedy club location). Additionally, an assessment should be done to determine if there is adequate parking for the mall traffic, since the new mall project will be taking away parking space, and to ensure traffic flow is sufficient enough for residents and consumers alike.

I have been a Brea resident for over 40 years and am familiar with the traffic situation and hope measures are being taken to ensure that everyone enjoys the new mall development with minimal inconvenience and hindrance.

I look forward to following up on any developments as they occur regarding this project.

Best regards,

Cynthia Lorene

From: Crabtree, David
To: Lilley, Jennifer; Tinio, Maribeth
Subject: FW: brea mall update
Date: Friday, August 30, 2019 8:10:27 AM

From: Crabtree, David
Sent: Thursday, August 29, 2019 6:09 PM
To: nm45@hotmail.com
Cc: City Council <CityCouncil@ci.brea.ca.us>; Gallardo, Bill <BILLGA@ci.brea.ca.us>
Subject: Fwd: brea mall update

Good Afternoon- Thank you for your email below which was shared with me by our Mayor and City Council for response—most specifically, since we have an active development application for the Brea Mall working its way to Council for public hearing, the Council Members are really precluded from sharing their detailed thoughts on the project with you outside of the formal public process. I'm Dave Crabtree, Community Development Director for the City. Our team in Community Development have been engaging with the Brea Mall owners at Simon regarding their application for new development and I'm happy to provide some information regarding the Simon proposal.

While I certainly won't want to speak too much for Simon, one of their key goals with the proposal is to provide for a new era of evolution for the Mall. This has proven critically important for the retail industry across the country as it faces major societal shifts in how we all shop—most specifically further consumer reliance on the internet and the need to evolve malls and other commercial destination sites to both draw consumers as well as diversify uses. The Simon proposal for Brea Mall seeks to achieve that and other goals, with the inclusion of the Lifetime Fitness use as well as new housing opportunities integrated into the property—and new and improved retail and restaurant space as well.

Will this be the right combination for Brea? That is key—both for Simon as our mall owner and for the City and fit for our community. The Planning Commission and City Council will consider this question and all issues within the public process. That process is underway with the preparation of an environmental impact report for the proposed plans. Once completed, that report will be provided for public review and comment, and eventually the public hearings for the project will commence. We anticipate the EIR to be completed late this year/early 2020, followed by the public hearings early in the new year.

Again, thank you for your early comments and I encourage you to keep updated on the status of the project as it moves forward. To that end, please feel free to contact me regarding any further questions you should have. Regards, David

David Crabtree, AICP
Community Development Director
City of Brea
714.990.7146

Begin forwarded message:

From: "Marick, Christine" <christinem@ci.brea.ca.us>
Date: August 29, 2019 at 12:30:48 PM PDT
To: "Gallardo, Bill" <BILLGA@ci.brea.ca.us>, "Crabtree, David" <DAVIDC@ci.brea.ca.us>
Subject: Fwd: brea mall update

Begin forwarded message:

From: B M[redacted]
Date: August 29, 2019 at 11:28:27 AM PDT
To: Undisclosed recipients:;
Subject: RE: brea mall update

I am a long time resident and would like to point out that approving yet another fitness facility near the brea mall would not be an ideal use of very valuable land. There are already 3 or 4 very successful fitness centers within a block or two of the brea mall that more than suffice the needs of the residents in that area. If the case is made that the old 24hour fitness center on Birch get relocated to the Sears location, it would be understandable. But in terms of sales tax revenues for the City, a mixed used development would be ideal and practical. Unfortunately I was unable to attend yesterday's meeting so am not sure what came out of it, but please keep in mind that this area of the City is the epicenter of shopping for the entire north OC region. Well run retailers and restaurants are thriving in that area, so why add housing there?

This front end of the mall should be an entertainment hub for people to come to and spend money. With proper development and an expansion of the parking structure behind nordstoms and macys, I believe there are plenty of better alternatives than a fitness center. If plans are approved to add a state of the art fitness center, the only outcome that I see forthcoming is the facility will hike up the prices for their members in order to recoup the tremendous amount of capital needed to build a new facility at that location. Currently, the fitness 19 and 24 hr fitness and the brea community center are basic and sufficient enough for the average gym goer. If a new facility is added to the mix, monthly dues will increase and could potentially lead to a consolidation of fitness facilities in that area.

If a model similar to that in Santa Ana main place mall is emulated, I do not feel as though it would be ideal for this location. They allowed for a high end 24 hr gym and is doing quite well. The reason for this is that there are no other gyms in the area.

In the case of Brea, there are several gyms. The thing that is keeping the gyms in business these days is that they have realized that Medicare is ready to pay the monthly bill of seniors who sign up for a membership. Regardless of whether the gym charges $20 per month or $40 per month, Medicare and several insurance plans cover their costs hoping to keep them from visiting the ER everyday. If a new facility is built and 24 hr fitness does relocate there, the average cost of membership will double for its existing clientele. It is my understanding that they are trying to convert all of their facilities into "Super Sport" so they can double their dues. We, as a community, need more affordable fitness centers rather than a new state of the art gym at the mall. Let's hope the other council members make the right decision and vote to attract more sales tax paying retailers to this location.

I would love to hear your feedback on this matter.

Thank You.

From: B M [redacted]
Sent: Friday, August 30, 2019 8:02 AM
To: Crabtree, David <DAVIDC@ci.brea.ca.us>
Cc: City Council <CityCouncil@ci.brea.ca.us>; Gallardo, Bill <BILLGA@ci.brea.ca.us>
Subject: Re: brea mall update

Thank you for taking the time to provide further details on the plan. I was not aware of the fact that Lifetime fitness is the party that is interested. Upon doing a quick google search I was able to find out that the one existing location they have in Laguna Niguel is charging $150-$180 per month for a luxury fitness center experience which is vastly more than the existing fitness centers in that area. I would like this fact to be highlighted during the public hearing process.

In the similar way that the majority of the high end retail stores that exist at South Coast Plaza in Costa Mesa would not survive very long in Brea, I do not believe a high end fitness center is going to get much traction among our residents. Furthermore, lifetime fitness does not qualify for the seniors Medicare SilverSneakers free fitness program so I would assume that the only people who would be able to afford such exorbitant rates are City of Brea employees.

I would like to see a referral to the Economic Development team to suggest alternatives to

Simon in place of a fitness center that would be more beneficial to the local middle class residents who do not have the disposable income to pay 3 or 4 times the going rate for a typical monthly fitness membership. This area is not Newport Beach or Laguna, it is Brea. Fitness 19, 24 hour fitness, and brea community fitness center cost around $20-$30 per month.

After conducting extensive observational research at these gyms, I have found that the average clientele are seniors with nothing much going on in their lives and on a fixed budget or students who are dreaming of joining a professional sports organization. Neither of these groups will be very interested in paying $150 per month.

Simon will do what is in their best financial interest which is to lease to the highest bidder. That is why it is critical to present strategic alternatives to a fitness center. Looking forward to taking more active participation in future meeting and awaiting your response on a new proposal....

From: Magana, Jessica
To: Nicole Vermilion
Cc: Jasmine Osman
Subject: Fwd: Apartments under construction
Date: Monday, September 16, 2019 6:01:48 PM

From: Jean chung [redacted]
Date: August 31, 2019 at 6:02:21 PM PDT
To: <jessicam@ci.brea.ca.us>
Subject: Apartments under construction

We have so many empty buildings in Brea and way too much traffic on our streets. I am sending this to let you know that I am opposed to the projects at State College and Birch and the one at Berry and Mercury on the basis of the traffic it will put on the streets and the increased pollution, danger to our children with all the additional traffic around schools on Birch and the congestion on our streets

Thank you

Jean Chung

Sent from my iPad

Ms. Jessica Magaña
Associate Planner
City of Brea, Planning Division

In reference to the Brea Mall Mixed Use Project NOP, the draft EIR should analyze the following:

Land use. In that the proposed project is located on a parcel zoned CC, and residential units are intended to be constructed thereat, the draft EIR should specifically address (i) why the General Plan should be amended and (ii) why a zoning change should be made with regards to such parcel to allow residential use in an area designated for commercial use. The Brea General Plan has been time tested and proven to be a successful master plan for orderly development in the city of Brea and as such is established precedent that should not be changed without a good and compelling reason.

The trend of slowing retail sales at brick and mortar malls resulting in decreased rental revenue and net income for **private** mall owners is an insufficient reason to justify amendment of the General Plan to allow the development of the proposed project that will have detrimental effects on **public** health and safety. Those detrimental effects should be self-evident in the properly prepared draft EIR. While corporate landowners are stakeholders in Brea, it can't be overemphasized that the residents of Brea will be most affected by the detrimental effects of the proposed project. In addition, it should not be forgotten that the City of Brea has supported the initial development of the mall with a sales tax sharing agreement providing a rebate back to the landowner, and going forward it is neither the City's nor any Brea taxpayer's obligation to provide any financial support to the mall's corporate owner.

A better approach to the problem with respect to decreased demand for retail space is to determine the best use of the subject property that fits within the General Plan. Wouldn't it be better if the mall owner decided to renovate the space and keep it as retail space with lower rents to attract more retail tenants? But then again, if greed is just too tempting why not go for the brass ring and ask for the best and highest use of the land which would be dense residential development 7 stories high, as tall as the Embassy Suites and plan for developing more and more of the mall in the same manner. The mall owner may argue that malls across the country are closing and ending up as blighted areas and that the same might happen to the Brea mall, unless it gets its way. You can't reasonably decide a matter based on "what ifs" or threats, if you want to come to a decision that is in the best interests of all concerned.

A related comment concerns the high debt per capita for Brea relative to other communities in Orange County and the impact it has on land use and development in Brea. Brea elected officials and city managers in the past had become overly reliant on sales taxes revenues to support the ever growing municipal budget, and since retail sales have slowed along with other factors it has become increasingly difficult for Brea to balance its budget. With the city mostly developed and with significant amount of incremental property tax revenues tied to servicing of redevelopment project bonds, there is a tempting solution that would generate more unrestricted property tax revenues and development and CFD fees through increased density development of properties that are currently less densely developed. This would temporarily increase property tax revenues

and other fees, but in the mid and long term would adversely affect the quality of life of Brea residents because of overdevelopment issues, especially environmental issues. We have already seen evidence of this trend with the approval of the Central Park Village and Hines projects, and the proposals of the Brea 265 and Mercury Lane projects. While there is a serious shortage of housing in the metropolitan areas of California, the solution can't simply be solved by overdevelopment without the appropriate infrastructure improvements, especially mass transit which is sorely lacking in Orange County and unlikely to be available in the next decade or more. The disruption of the order set forth in the General Plan will result in the disruption of orderly development in Brea and have an adverse effect of the quality of life for Brea residents.

Air quality. In particular, the high density residential structures will result in additional burden to air quality compared to its current zoning with its carbon and nitrogen footprint from car trips generated by residents and workers at the proposed project and the use of carbon fuels for heating water and likely living spaces. Though state mandated solar energy usage for the proposed project will reduce this impact, the net impact still must be determined using reasonable assumptions. While the NOP does not specify the number of parking spaces for the proposed project with respect to the high density residential units, there should be a reasonable estimate of the average of number of cars per unit. In addition, the proximity of the proposed project to the 57 freeway and major arterial roads, State College Boulevard and Imperial Highway subjects and exposes the numerous densely populated proposed residents to much higher concentrations of air pollutants, especially CO, diesel exhaust, and particulate matter.

Population and housing. The proposed project will add a proposed 312 new housing units and a related number of residents to the site. Using the "2+1" rule, this proposed project would add over 650 people to the population in Brea. Why should the General Plan be amended or varied to allow such high density residential development when it would be inconsistent with established nonresidential use? While Brea is in need of more housing, the question is what is the impact to the environment due to this increase in residential units and people living therein, especially when the current General Plan specifies no residential use.

Public Services. To what extent will the proposed project have on the need for additional public services, the cost of such services, and how those services will be paid for not only in terms of upfront development fees but also long term estimated costs needed to provide future services to the extent not covered by upfront development fees or direct payment through specific funds for such services such as from a CFD for the proposed project?

The additional police, fire, paramedic, traffic and maintenance services required will need to be determined based on the estimated number of additional residents and units. In particular, it is expected that traffic along Imperial Highway, Birch Street, Lambert Road, State College Blvd. and Brea Blvd. will be much heavier and may require more dedicated police services to ensure smooth traffic flow despite certain limited traffic improvements to accommodate increased traffic volume and flow. Residents of Brea are complaining more and more about traffic congestion and about drivers speeding and going through red lights and resulting serious vehicular accidents on major arterial roads. With the tight municipal budget, the police are constrained as to enforcement of traffic laws, and having enough available officers to respond to calls from residents. It was not that long ago that the police chief of Brea requested an additional

half million dollars to its annual budget to fully fund the Brea PD. How will the proposed project further dilute public services on a qualitative and quantitative basis?

Transportation and circulation. The geography of Brea is such that a long range of hills (Puente and Chino) along its northern border. There are only a few north to south highways that go through these hills, namely Brea Canyon Road, the 57, and Carbon Canyon Road. Due to the differential in (1) wages and (2) market value per square foot of residential housing between the Inland Empire and Orange County, many worker-commuters travel southbound in the morning to work and northbound to go home in the evening during rush. While some may argue that many of those worker-commuters may move to the proposed project to shorten their drive, this will be unlikely unless they can afford Brea housing costs and want to pay that price, thus it is more likely there will not be very many of those that will move to the proposed project. There is no indication in the NOP that the proposed project is expected to provide affordable housing, and as such the proposed residential part of the project will be assumed to be premium apartments in line with the nearby Hines project apartments. As such it is unlikely many who work in Brea will be able to afford living in the proposed apartments and reduce traffic congestion in Brea.

In the recent draft EIR for the Mercury Lane proposed project, the impact of traffic was identified as significant. Specifically, it provided that the Level of Service of key intersections in Brea would decline and that the Brea Boulevard and Imperial Highway and State College Blvd. and Imperial Highway would in a year be "D" grade or in simple terms unacceptable. The traffic impact of the proposed project will also likely be significant.

As I previously mentioned in comments for the Brea 265 NOP for the draft EIR. The key intersections in Brea have so much traffic in all directions that little if any efficiency will be gained by developer suggestions or offers to mitigate traffic by providing smart signals using predictive AI and timing differentials to control the order and duration of the different signal lights and arrows. This is especially true when those same intersections are so close to the 57, Imperial Highway and other state controlled intersections where Brea has no jurisdiction to control because traffic flow on state routes is takes precedent over traffic flow on city roads. Gridlock will have a serious and possibly lethal consequence for residents of Brea that will need emergency medical services and are unable to receive those services in a timely manner.

Conclusion. As a longtime resident of Brea, it has been difficult to acknowledge the adverse changes that have resulted from growth in Brea, but growth and change are inevitable. Brea has adopted a General Plan providing for controlled growth in Brea that has served Brea well, and there is no good and compelling reason to change that now.

Tom Kwan
Brea

From: Magana, Jessica
To: Nicole Vermilion
Cc: Jasmine Osman
Subject: Fwd: Mall Upgrade
Date: Monday, September 16, 2019 5:37:14 PM

From: TedWNewman [redacted]
Date: September 12, 2019 at 7:15:30 PM PDT
To: <jessicam@cityofbrea.net>
Subject: Mall Upgrade

The overall thrust of the plans seem OK. But, I am very much against a seven story building at that location! I understand packing the density helps pencil out a profit for the companies involved, but that is way too tall for this area. I think 4 stories above ground should be the max.
And some way must be made to make the traffic less of an impact than it already is.Not sure how that can be done, but the goals should be less than it is now!.
Don't pad the estimates with unrealistic ideas of people walking or biking there versus cars. O,r totally off base ideas of Uber or Lyft which logic insists will make things worse. And not counting people who live in the units which would be ridiculously specious.
The parking and traffic at Whole Foods complex was filled with ridiculous optimism. Get it real. It matters.

thanks for your consideration.

From: Magana, Jessica
To: Nicole Vermilion
Cc: Jasmine Osman
Subject: Fwd: Brea mall Reno
Date: Monday, September 16, 2019 5:55:59 PM

From: Danielle Irwin [redacted]
Date: September 13, 2019 at 2:01:12 PM PDT
To: <jessicam@cityofbrea.net>
Subject: Brea mall Reno

Hello Jessica. I live in the Brea area and although I have felt the entire mall has needed to be renovated for a long time I have definite concerns. One is the traffic is already awful and the mall is rediculously crowded with teens. But also it sounds like this is being designed strictly around the new apartments to come. What about the folks that don't live in the apartments and are homeowners in the area? Anything planned for us? And with the crowds from apartments etc would we even try to go there? Thanks for listening to my concerns.

Sent from my iPhone

From: Magana, Jessica
To: Nicole Vermilion
Cc: Jasmine Osman
Subject: Fwd: mall housing and mercury housing
Date: Monday, September 16, 2019 5:41:53 PM

From: [redacted]
Date: September 13, 2019 at 8:39:07 AM PDT
To: <jessicam@cityofbrea.net>
Subject: mall housing and mercury housing

Good morning Mrs Magana

On both of these projects the people living here in Brea are done with apartments and multi story apt. buildings !!! is this the best the city can do ? my wife is the first owner of our house she bought it in 1974 our kids and grand kids live here.

I am a retired senior building inspector from another city , I have watched city's do what your doing now and the damage it has done to the community . please listen to the community and stop the apts... it's like the city is for sale to the highest bidder and they can do what they want.

You know the district attorneys office has a division just to look at jurisdictions doing what Brea is doing changing zoning commercial to residential , parking issues ,ect. because there is more then likely something else going on, maybe its time they get a call..

Thank you for your time Ed Dougan

LAW OFFICE

OF

GUY V. WHITWORTH

1422 Edinger Avenue
Suite 150
Tustin, California 92780

Tel: (714) 444-4940 x 224
guy.whitworth@tfgflp.com

September 13, 2019

City of Brea Planning Division
1 Civic Center Circle
Brea, 92821

Attention: Jessica Magana

RE: Proposed Redevelopment of Brea Mall – Simon Property Group

Dear Ms. Magana:

Over the past decade, I have represented the Brea Downtown Owner's Association ("BDOA") in its dealings with the City of Brea. The recently revised "Amended and Restated Declaration of Covenants, Conditions and Restriction For the Brea Downtown Owners Association" (the "BDOA Agreement") documents, among other items, the investment in and construction and maintenance by, the City of Brea and the BDOA of public parking to accommodate "Brea Downtown". As noted in Recital F of the BDOA Agreement, the City of Brea owns four properties and sits as a voting member of the BDOA and is interested in promoting, together with its other members, the success and prosperity of Brea Downtown. Indeed, Brea Downtown has been specifically designed and operated for a number of years as the primary City of Brea venue for public events, gatherings and entertainment.

I have deep concerns about the proposed redevelopment of the Brea Mall:

1. The City of Brea and the BDOA and its members have invested many millions of dollars in Brea Downtown in reliance and trust on the express and understood purpose of creating a mutually beneficial and vibrant downtown venue for public events, assembly and gatherings. If approved, the proposed redevelopment of the Brea Mall would violate both the letter and spirit of

that trust and purpose.

2. Residents of Brea already enjoy, (due in large part to the construction by the City of Brea of three multilevel parking garages), free parking in Brea Downtown which makes it possible to stage large free special events. No public purpose is served by recreating a second downtown district – it is not needed and could come at considerable expense to Brea taxpayers. Additionally, as mentioned above, it would infringe on the rights and expectations of the BDOA and Brea Downtown merchants who heavily invested in Brea Downtown relying on written and oral representations made by the City of Brea.

The Brea Downtown venue for public gathering, entertainment and dining was carefully thought through, designed, constructed and now benefits the City of Brea and its residents. The BDOA, its members, and merchants will actively oppose the creation of a second public gathering, entertainment and dining venue and believe it is an infringement, violation and breach of the trust and partnership already in place between the City of Brea and the BDOA, its members and merchants.

Regards,

Guy V. Whitworth

From: Magana, Jessica
To: Nicole Vermilion
Cc: Jasmine Osman
Subject: Fwd: comments on brea mall proposal
Date: Monday, September 16, 2019 5:55:40 PM

From: Phyllis E. [redacted]
Date: September 13, 2019 at 1:34:12 PM PDT
To: "jessicam@cityofbrea.net" <jessicam@cityofbrea.net>
Subject: comments on brea mall proposal

hello....saw the nice article in the register about the possible plans for part of the mall....

we love the idea of a nice fitness club well maintained and run well and outdoor kids play area

what about an REI store?

a johns incredible pizza restaurant would be a nice family friendly place. !!!! we often visit the one at buena park mall (to which before or after we stroll along and shop at the stores) and there is one at the westminster mall as well seems like they mall spaces maybe a good fit for brea ??? might be a nice addition as its way more adult than a chuck-e cheese with real food selections .. but not as bar like as a dave and busters.... buy charging to enter which includes your meal it keeps wondering kids out and encourages families to have good clean family fun....

a fun newer concept is a space like the new "open market OC" (its in the old macy building at the laguna hills mall) where vintage and crafters rent by the month spaces to sell unique items....(not store bought cheap swap meet toys) new deco and clothing hand crafter things etc. check out and google" open market OC " and see what its all about... this idea is more about items .... not a lot of food like the anaheim packing house....

like the idea of central outdoor space for free music and or free concert or free fashion shows things to bring community together....

we love the downtown brea once a year country night with dancing and vendors and wrist bands and food samples etc.... maybe this area could have their own yearly event...

any chance of" art style of space" like recording studios and or classes on mosaics or pottery wheel making things etc.... at a reasonable price maybe see if local studios would help sponsor a space to bring awareness to their private business etc

well these were just a few items that popped into our minds see what you think

have a great weekend brea resident

From: Magana, Jessica
To: Nicole Vermilion
Cc: Jasmine Osman
Subject: Fwd: mall
Date: Monday, September 16, 2019 6:01:04 PM

From: Al Holer [redacted]
Date: September 16, 2019 at 5:32:21 PM PDT
To: <jessicam@cityofbrea.net>
Subject: mall

536 parking spaces is not enough spaces for 300 apartments. When will the city learn. Most couples have 2 cars. on weekends expect guests. If the city were to charge the developer for parking outside the 536 spaces for the life of the development I wonder how many spaces they would provide? Over 600.

Brea has enough Fitness centers. How about a grocery store for the apartment dwellers.

With JC Penney filing chapter 11 u need to think about anchor stores. Saks Fifth Avenue or Neiman Marcus.

Al Holer

From: Magana, Jessica
To: Nicole Vermilion
Cc: Jasmine Osman
Subject: Fwd: Simon Mall project
Date: Monday, September 16, 2019 5:59:40 PM

From: Dwight Manley [redacted]
Date: September 16, 2019 at 5:10:23 PM PDT
To: <jessicam@cityofbrea.net>, <guy.whitworth@tfgflp.com>, <afanticola@tfgflp.com>
Subject: Simon Mall project

To whom it may concern,

I am sending this email with my some of my concerns about what I learned at the scoping meeting for the new mall plans.

1) The parking structure has adequate parking for the gym, but where do the rest of the people park for the mall?

2) Where is the plaza/open space in the equation for needed parking? Outdoor shopping areas and gathering space will increase the body count well beyond the interior retail square footage. This needs to be accounted for. The same goes for the outdoor pool/gym area.

3) What will the parking be for the BJ's after this? As of today, their diners all are parking in the Sears lot.

4) The apartments don't show the parking or sizes, and they are looking fair too high for the location. They should be a little smaller than the Avalon Bay project for scale, as the mall is only two stores vs the Hines office buildings which are 98'

5) The ingress/egress at Randolph is staying the same? This makes no sense to me, and needs serious study.

6) How does an In n Out burger across the street and at a shared intersection affect the mall? This was already approved, so it needs to take priority.

7) The entertainment uses proposed art discussed in the recent paper article are not appropriate for the Mall, and as the downtown is the "entertainment zone", whatever is designed needs to stay within the retail and eating category.

8) hours of operation were not discussed, but they need to be consistent with the mall's hours today, which closes by 9pm.

9) Where is the loading zone and how do all of the trucks that deliver products and services access this area.

10) What happens if gym customers park in the restaurant parking? How will this be managed.

11) How do the interior units in the apartment proposal get serviced by the fire department? It looked impossible to access.

12) Is there a valet location?

There may be more items after reviewing the EIR, but I wanted you to have these both on behalf of myself as a resident, and as a downtown business owner. Also, as a member of the BDOA.

Thank you very much

Dwight Manley
[redacted]

From: Magana, Jessica
To: Nicole Vermilion
Cc: Jasmine Osman
Subject: Fwd: Brea Mall Makeover
Date: Monday, September 16, 2019 5:58:30 PM

From: Kevin Gorham [redacted]
Date: September 16, 2019 at 11:34:27 AM PDT
To: <jessicam@cityofbrea.net>
Subject: Brea Mall Makeover

We need this redo of the mall. Please approve!

Kevin Gorham
Brea Resident

SheppardMullin

Sheppard, Mullin, Richter & Hampton LLP
333 South Hope Street, 43rd Floor
Los Angeles, California 90071-1422
213.620.1780 main
213.620.1398 fax
www.sheppardmullin.com

213.617.4284 direct
jpugh@sheppardmullin.com

September 16, 2019

File Number: 0RRY-286821

VIA ELECTRONIC MAIL

Jessica M. Magaña
Associate Planner
City of Brea - Planning Division
1 Civic Center Circle
Brea, CA 92821
E-Mail: jessicam@ci.brea.ca.us

Re: Notice of Preparation for the Brea Mall Mixed Use Project

Dear Ms. Magaña:

We represent Macy's, Inc. ("Macy's") regarding its property located at the Brea Mall. On August, 28, 2019, we attended the scoping meeting held by the City of Brea ("City") for the Brea Mall Mixed Use Project ("Project") proposed by Simon Property Group ("Applicant") to redevelop a 17.5-acre portion ("Sears Parcel") of the land occupied by the Brea Mall. Macy's is a key stakeholder at the Brea Mall and has a vested interest in any redevelopment activities on the Project site. Accordingly, we are submitting comments on the Notice of Preparation ("NOP") for the Draft Environmental Impact Report ("Draft EIR") for the Project.

We understand that the Applicant plans to redevelop its property with a mixed-use project that includes 312 new residential units, 311,615 square feet of new retail use, a resort-type fitness center, and public gathering space, as further described in the NOP. The NOP also states that the Project site includes the Sears Parcel and "adjoining transition areas adjacent to Nordstrom and Macy's." This is a major development adjacent to Macy's land and existing retail operations. As a basic matter, Macy's request that the City and the Applicant carefully consider how construction and operation of the Project could adversely impact Macy's land and ongoing retail operations. There should be special attention paid to those areas where the Project does, or has the potential to, interfere with or encroach upon, Macy's land or leasehold rights.

We recognize that the City decided not to prepare an Initial Study pursuant to the California Environmental Quality Act ("CEQA") as part of its effort to scope the Draft EIR. That makes determining the scope of the Draft EIR difficult at this point. Moreover, there was some inconsistency between the NOP and other materials presented at the scoping meeting regarding what the Draft EIR will analyze. The NOP states that the Draft EIR will analyze Air Quality, Cultural Resources, Greenhouse Gas Emissions, Land Use and Planning, Population and Housing, Noise, Transportation, and Tribal Cultural Resources. The presentation materials from the scoping meeting, however, included a slide that list all of the environmental issue areas in Appendix G of the CEQA Guidelines as topics that will be covered in the Draft EIR. It is

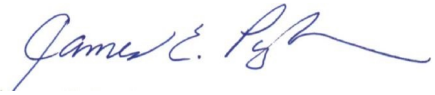
important for Macy's that the Draft EIR contain a robust analysis of the environmental issues that could adversely impact Macy's interests. Thus, the Draft EIR should at a minimum provide a detailed analysis of: Land Use and Planning, Noise and Vibration, Population and Housing, Public Services, Transportation and Circulation, and Utilities and Service Systems. Also, we expect that the Draft EIR will explain, and support with evidence, which environmental effects the City has determined are clearly insignificant and unlikely to occur. These areas of focus are not intended to limit Macy's potential future input on the scope of the Draft EIR.

In addition, an accurate description of the environmental setting is key to adequate impact analysis. CEQA Guidelines Section 15125 provides that the purpose of an accurate environmental setting is to give the public and decision makers the most accurate and understandable picture as possible of the project's likely near-term and long-term impacts. And, where existing conditions may fluctuate over time, the Lead Agency may define conditions expected to occur when the project becomes operational. This concept is also known as a future baseline condition. The Brea Mall is in transition, as evidenced by the Project, and Macy's' interest in redeveloping its land. The Brea Core Plan also illustrates the future land use plans for the Brea Mall. We point this out because it is important for the Draft EIR to consider (and possibly analyze) how the Project may impact, and interact with, the future baseline conditions at the Brea Mall. If Macy's launches its own redevelopment project, then this point becomes particularly relevant because the Macy's project would become an adjacent related project for cumulative impact analysis.

We close by noting that this letter is not adversarial. It is exciting to see the City focused on smart growth at the Brea Mall and in the surrounding Brea Core Plan area. Macy's is optimistic that the Project will be well designed and enhance the Brea Mall. We trust that the Draft EIR will be legally adequate. Please add us to the City's interested stakeholders list so we receive all notices and public information regarding the Project. We look forward to collaborating with the City, and the Applicant, on the Project and Macy's' own potential redevelopment plans at the Brea Mall.

Thank you for considering the points raised in this letter.

Best regards,



James E. Pugh
for SHEPPARD, MULLIN, RICHTER & HAMPTON LLP

SMRH:4832-2166-1861.3

P: (626) 381-9248
F: (626) 389-5414
E: mitch@mitchtsailaw.com

Mitchell M. Tsai
Attorney At Law

155 South El Molino Avenue
Suite 104
Pasadena, California 91101

VIA U.S. MAIL & E-MAIL

September 16, 2019

Jessica M. Magaña, Associate Planner
City of Brea – Planning Division
1 Civic Center Circle
Brea, CA 92821
Em: jessicam@ci.brea.ca.us

RE: Notice of Preparation of a Draft Environmental Impact Report for the Brea Mall Mixed Use Project

Dear Ms. Magaña

On behalf of the Southwest Regional Council of Carpenters and Juan Lepe("**Commenter**" or "**Carpenters**"), my Office is submitting these comments on the City of Brea's ("**City**" or "**Lead Agency**") Notice of Preparation of an Environmental Impact Report ("**NOP**") (SCH No. 2019080011) for the Brea Mall Mixed Use Project ("**Project**").

The Southwest Carpenters is a labor union representing 50,000 union carpenters in six states, including in southern California, and has a strong interest in well ordered land use planning and addressing the environmental impacts of development projects.

Individual members of the Southwest, including Juan Lepe, live, work and recreate in the City and surrounding communities and would be directly affected by the Project's environmental impacts.

Commenter expressly reserves the right to supplement these comments at or prior to hearings on the Project, and at any later hearings and proceedings related to this Project. Cal. Gov. Code § 65009(b); Cal. Pub. Res. Code § 21177(a); *Bakersfield Citizens for Local Control v. Bakersfield* (2004) 124 Cal. App. 4th 1184, 1199-1203; see *Galante Vineyards v. Monterey Water Dist.* (1997) 60 Cal. App. 4th 1109, 1121.

Commenter incorporates by reference all comments raising issues regarding the environmental impact report ("**EIR**") submitted prior to certification of the EIR for

the Project. *Citizens for Clean Energy v City of Woodland* (2014) 225 CA4th 173, 191 (finding that any party who has objected to the Project's environmental documentation may assert any issue timely raised by other parties).

Moreover, Commenter requests that the Lead Agency provide notice for any and all notices referring or related to the Project issued under the California Environmental Quality Act ("**CEQA**"), Cal Public Resources Code ("**PRC**") § 21000 *et seq*, and the California Planning and Zoning Law ("**Planning and Zoning Law**"), Cal. Gov't Code §§ 65000–65010. California Public Resources Code Sections 21092.2, and 21167(f) and Government Code Section 65092 require agencies to mail such notices to any person who has filed a written request for them with the clerk of the agency's governing body.

If the City has any questions or concerns, feel free to contact my Office.

Sincerely,

Mitchell M. Tsai
Attorneys for Southwest Regional
Council of Carpenters

From: Magana, Jessica
To: Nicole Vermilion
Cc: Jasmine Osman
Subject: Fwd: Brea Mall makeover - Daily Mall deliveries
Date: Tuesday, September 17, 2019 8:18:44 AM

From: Bob and Amy Rosner[redacted]
Date: September 17, 2019 at 1:37:21 AM PDT
To: "jessicam@cityofbrea.net" <jessicam@cityofbrea.net>
Subject: Brea Mall makeover - Daily Mall deliveries

Hi there Jessica. My name is Bob and I'm the UPS driver for the Brea Mall. I am quite concerned that there won't be ample parking for delivery vehicles when the Brea Mall gets renovated. Right now and for the last 25 years I've used the Nordstrom/Sears truck court for my deliveries. This area has sufficed for delivery purposes over the years but it has now become a constant struggle to park my UPS truck there in a spot, close enough to the mall entry doors, that will not only allow me to do my job but also not contribute to the cluttered logjam of all the other delivery vehicles in that space as well as to appease Mall security who doesn't want any delivery vehicle to remain parked there after 11am. The 11am thing is and has always been an inconceivable joke-I have 5 to 6 hours worth of work to do at the mall every day, but I still get hassled by security when they come around.
Please tell me these concerns will be appropriately addressed during the renovation...the plans that were recently released to the public didn't seem to show ANY delivery areas! We'd also love to be able to park in a covered or semi-covered area to help fight off the blistering summer heat and the winter rain.

Thanks so much for your attention to this matter and I hope to be able to communicate with you more in the future regarding this subject. Have a great day and take care!

-Bob Rosner

Get Outlook for Android

COMMENT CARDS

August 28, 2019 5:00-7:00 PM – Brea Mall Mixed Use Project Scoping Meeting

Please let us know your comments/concerns regarding the Brea Mall Mixed Use Project EIR (please print):

My main concern is with the residential component of the project which will increase traffic on Imperial and Birch. There are additional residential projects at Valencia + Lambert as well

Name: Russ Sipple

Address: [redacted]
Brea 92821

Please return this card to Jessica Magaña, Associate Planner, City of Brea – Planning Division, at the end of the Scoping Meeting or mail to:

Place Stamp Here

City of Brea – Planning Division, Level 3
Attn: Jessica Magaña
1 Civic Center Circle
Brea, CA 92821

COMMENT CARDS

August 28, 2019 5:00-7:00 PM – Brea Mall Mixed Use Project Scoping Meeting

Please let us know your comments/concerns regarding the Brea Mall Mixed Use Project EIR (please print):

7 stories should be none in the neighborhood of 4 stories

The Curves of driving within MALL having hard turns.

The Apts as shown, show windowless bedrooms on inter?

Name: John Winders

Address: [redacted]

Please return this card to Jessica Magaña, Associate Planner, City of Brea – Planning Division, at the end of the Scoping Meeting or mail to:

Place Stamp Here

City of Brea – Planning Division, Level 3
Attn: Jessica Magaña
1 Civic Center Circle
Brea, CA 92821

COMMENT CARDS

August 28, 2019 5:00-7:00 PM – Brea Mall Mixed Use Project Scoping Meeting

Please let us know your comments/concerns regarding the Brea Mall Mixed Use Project EIR (please print):

IS THE DEVELOPER CONTRIBUTING TO THE COST TO CONSTRUCT THE IMPROVED 57 / LAMBERT INTERSECTION ?

Name: HARRY DRAKE

Address: [redacted] BREA CA 92821

Please return this card to Jessica Magaña, Associate Planner, City of Brea – Planning Division, at the end of the Scoping Meeting or mail to:

Place Stamp Here

City of Brea – Planning Division, Level 3
Attn: Jessica Magaña
1 Civic Center Circle
Brea, CA 92821

COMMENT CARDS

August 28, 2019 5:00-7:00 PM – Brea Mall Mixed Use Project Scoping Meeting

Please let us know your comments/concerns regarding the Brea Mall Mixed Use Project EIR (please print):

HAS THE DEVELOPER CONSIDERED THE TRAFFIC AND DIFFICULTY RENTERS WILL HAVE ACCESSING THEIR APARTMENT PARKING AREA DURING CHRISTMAS SHOPPING SEASON AT THE MALL?

Name: TERRI DRAKE

Address: [redacted] BREA, CA 92821

Please return this card to Jessica Magaña, Associate Planner, City of Brea – Planning Division, at the end of the Scoping Meeting or mail to:

Place Stamp Here

City of Brea – Planning Division, Level 3
Attn: Jessica Magaña
1 Civic Center Circle
Brea, CA 92821

COMMENT CARDS

August 28, 2019 5:00-7:00 PM – Brea Mall Mixed Use Project Scoping Meeting

Please let us know your comments/concerns regarding the Brea Mall Mixed Use Project EIR (please print):

Please bring Williams Sonoma back to Brea Mall

Please make sure adequate parking for 312 apts. in structure for apts.

Name: Debbie Louis

Address: [redacted], Brea

Please return this card to Jessica Magaña, Associate Planner, City of Brea – Planning Division, at the end of the Scoping Meeting or mail to:

Place Stamp Here

City of Brea – Planning Division, Level 3
Attn: Jessica Magaña
1 Civic Center Circle
Brea, CA 92821

COMMENT CARDS

August 28, 2019 5:00-7:00 PM – Brea Mall Mixed Use Project Scoping Meeting

Please let us know your comments/concerns regarding the Brea Mall Mixed Use Project EIR (please print): I want to support the housing components. But I want to stress the need for people who work in the lower-income service-sector employment such as in retail and restaurants. These units need to be attainable to the local workforce who are least able to afford market rate housing. The site is near transit and meets City's plan for infill and mixed-use areas. Brea needs more workforce housing!

Thank you.

Name: Susan Perlson

Address: [redacted] Brea

Please return this card to Jessica Magaña, Associate Planner, City of Brea – Planning Division, at the end of the Scoping Meeting or mail to:

Place Stamp Here

City of Brea – Planning Division, Level 3
Attn: Jessica Magaña
1 Civic Center Circle
Brea, CA 92821

Appendix B1: Air Quality and GHG Modeling

Appendices

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Air Quality and Greenhouse Gas Appendix

Emissions Worksheet

Regional Construction Emissions Worksheet (Option 1):

Building Demolition

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022 Winter**						
	Off-Road		1.73	11.31	12.77	0.04	0.46	0.45
	Total		**1.73**	**11.31**	**12.77**	**0.04**	**0.46**	**0.45**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.03	0.02	0.31	0.00	0.10	0.03
	Total		**0.04**	**0.21**	**0.37**	**0.00**	**0.13**	**0.04**
TOTAL			***1.77***	***11.52***	***13.15***	***0.04***	***0.59***	***0.48***
Onsite		**2022**						
	Off-Road		1.73	11.31	12.77	0.04	0.46	0.45
	Total		**1.73**	**11.31**	**12.77**	**0.04**	**0.46**	**0.45**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.03	0.02	0.31	0.00	0.10	0.03
	Total		**0.04**	**0.21**	**0.37**	**0.00**	**0.13**	**0.04**
TOTAL			***1.77***	***11.52***	***13.15***	***0.04***	***0.59***	***0.48***

Building Demolition Haul

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022** Winter						
	Fugitive Dust						2.44	0.37
	Off-Road		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**	**2.44**	**0.37**
Offsite								
	Hauling		0.11	4.31	1.18	0.02	0.46	0.15
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.11**	**4.31**	**1.18**	**0.02**	**0.46**	**0.15**
TOTAL			***0.11***	***4.31***	***1.18***	***0.02***	***2.90***	***0.52***
Onsite		**2022**						
	Fugitive Dust		0.00	0.00	0.00	0.00	2.44	0.37
	Off-Road		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**	**2.44**	**0.37**
Offsite								
	Hauling		0.11	4.31	1.18	0.02	0.46	0.15
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.11**	**4.31**	**1.18**	**0.02**	**0.46**	**0.15**
TOTAL			***0.11***	***4.31***	***1.18***	***0.02***	***2.90***	***0.52***

Asphalt Demolition

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022** Winter						
	Off-Road		0.16	1.68	2.24	0.00	0.09	0.08
	Total		**0.16**	**1.68**	**2.24**	**0.00**	**0.09**	**0.08**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.01	0.01	0.09	0.00	0.03	0.01
	Total		**0.02**	**0.19**	**0.16**	**0.00**	**0.06**	**0.02**
TOTAL			***0.18***	***1.87***	***2.40***	***0.00***	***0.15***	***0.10***
Onsite		**2022**						
	Off-Road		0.16	1.68	2.24	0.00	0.09	0.08
	Total		**0.16**	**1.68**	**2.24**	**0.00**	**0.09**	**0.08**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.01	0.01	0.09	0.00	0.03	0.01
	Total		**0.02**	**0.19**	**0.16**	**0.00**	**0.06**	**0.02**
TOTAL			***0.18***	***1.87***	***2.40***	***0.00***	***0.15***	***0.10***

Asphalt Demolition Haul

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Winter						
	Fugitive Dust					1.73	0.26
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**1.73**	**0.26**
Offsite							
	Hauling	0.11	4.40	1.21	0.02	0.47	0.15
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.11**	**4.40**	**1.21**	**0.02**	**0.47**	**0.15**
TOTAL		***0.11***	***4.40***	***1.21***	***0.02***	***2.20***	***0.41***
Onsite	**2022**						
	Fugitive Dust	0.00	0.00	0.00	0.00	1.73	0.26
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**1.73**	**0.26**
Offsite							
	Hauling	0.11	4.40	1.21	0.02	0.47	0.15
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.11**	**4.40**	**1.21**	**0.02**	**0.47**	**0.15**
TOTAL		***0.11***	***4.40***	***1.21***	***0.02***	***2.20***	***0.41***

Site Preparation 2022

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Winter						
	Fugitive Dust					4.53	0.49
	Off-Road	8.97	101.36	64.08	0.16	3.81	3.51
	Total	**8.97**	**101.36**	**64.08**	**0.16**	**8.35**	**4.00**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.07	0.00	0.03	0.01
	Worker	0.11	0.08	1.07	0.00	0.36	0.10
	Total	**0.12**	**0.26**	**1.14**	**0.00**	**0.39**	**0.11**
TOTAL		***9.09***	***101.63***	***65.22***	***0.16***	***8.73***	***4.10***
Onsite	**2022**						
	Fugitive Dust	0.00	0.00	0.00	0.00	4.53	0.49
	Off-Road	8.97	101.36	64.08	0.16	3.81	3.51
	Total	**8.97**	**101.36**	**64.08**	**0.16**	**8.35**	**4.00**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.07	0.00	0.03	0.01
	Worker	0.11	0.08	1.07	0.00	0.36	0.10
	Total	**0.12**	**0.26**	**1.14**	**0.00**	**0.39**	**0.11**
TOTAL		***9.09***	***101.63***	***65.22***	***0.16***	***8.73***	***4.10***

Site Preparation 2023

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Winter						
	Fugitive Dust					4.53	0.49
	Off-Road	8.52	92.74	62.01	0.16	3.51	3.23
	Total	**8.52**	**92.74**	**62.01**	**0.16**	**8.04**	**3.72**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.15	0.06	0.00	0.02	0.01
	Worker	0.11	0.07	1.00	0.00	0.36	0.10
	Total	**0.11**	**0.22**	**1.06**	**0.00**	**0.39**	**0.11**
TOTAL		***8.63***	***92.96***	***63.07***	***0.16***	***8.43***	***3.82***
Onsite	**2023**						
	Fugitive Dust	0.00	0.00	0.00	0.00	4.53	0.49
	Off-Road	8.52	92.74	62.01	0.16	3.51	3.23
	Total	**8.52**	**92.74**	**62.01**	**0.16**	**8.04**	**3.72**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.15	0.06	0.00	0.02	0.01
	Worker	0.11	0.07	1.00	0.00	0.36	0.10
	Total	**0.11**	**0.22**	**1.06**	**0.00**	**0.39**	**0.11**
TOTAL		***8.63***	***92.96***	***63.07***	***0.16***	***8.43***	***3.82***

Site Preparation Soil Haul 2022		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Winter						
	Fugitive Dust					0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.19	7.91	2.17	0.03	0.85	0.27
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.19**	**7.91**	**2.17**	**0.03**	**0.85**	**0.27**
TOTAL		***0.19***	***7.91***	***2.17***	***0.03***	***0.87***	***0.28***
Onsite	**2022**						
	Fugitive Dust	0.00	0.00	0.00	0.00	0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.19	7.91	2.17	0.03	0.85	0.27
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.19**	**7.91**	**2.17**	**0.03**	**0.85**	**0.27**
TOTAL		***0.19***	***7.91***	***2.17***	***0.03***	***0.87***	***0.28***

Site Preparation Soil Haul 2023		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023 Winter**						
	Fugitive Dust					0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.10	6.07	2.02	0.03	0.83	0.26
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.10**	**6.07**	**2.02**	**0.03**	**0.83**	**0.26**
TOTAL		***0.10***	***6.07***	***2.02***	***0.03***	***0.85***	***0.26***
Onsite	**2023**						
	Fugitive Dust	0.00	0.00	0.00	0.00	0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.10	6.07	2.02	0.03	0.83	0.26
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.10**	**6.07**	**2.02**	**0.03**	**0.83**	**0.26**
TOTAL		***0.10***	***6.07***	***2.02***	***0.03***	***0.85***	***0.26***

Retail and Residential Building A Building Construction 2023		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Winter						
	Off-Road	0.72	6.67	6.01	0.01	0.28	0.26
	Total	**0.72**	**6.67**	**6.01**	**0.01**	**0.28**	**0.26**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.11	4.10	1.68	0.02	0.69	0.21
	Worker	0.88	0.57	8.16	0.03	2.97	0.80
	Total	**0.99**	**4.67**	**9.84**	**0.05**	**3.66**	**1.02**
TOTAL		***1.71***	***11.34***	***15.85***	***0.06***	***3.94***	***1.28***
Onsite	**2023**						
	Off-Road	0.72	6.67	6.01	0.01	0.28	0.26
	Total	**0.72**	**6.67**	**6.01**	**0.01**	**0.28**	**0.26**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.11	4.10	1.68	0.02	0.69	0.21
	Worker	0.88	0.57	8.16	0.03	2.97	0.80
	Total	**0.99**	**4.67**	**9.84**	**0.05**	**3.66**	**1.02**
TOTAL		***1.71***	***11.34***	***15.85***	***0.06***	***3.94***	***1.28***

Retail and Residential Building A Building Construction 2024							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024 Winter**						
	Off-Road	0.70	6.39	5.89	0.01	0.26	0.24
	Total	**0.70**	**6.39**	**5.89**	**0.01**	**0.26**	**0.24**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.11	4.09	1.67	0.02	0.69	0.22
	Worker	0.83	0.51	7.61	0.03	2.97	0.80
	Total	**0.94**	**4.60**	**9.27**	**0.04**	**3.66**	**1.02**
TOTAL		***1.64***	***10.99***	***15.17***	***0.06***	***3.93***	***1.26***
Onsite	**2024**						
	Off-Road	0.70	6.39	5.89	0.01	0.26	0.24
	Total	**0.70**	**6.39**	**5.89**	**0.01**	**0.26**	**0.24**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.11	4.09	1.67	0.02	0.69	0.22
	Worker	0.83	0.51	7.61	0.03	2.97	0.80
	Total	**0.94**	**4.60**	**9.27**	**0.04**	**3.66**	**1.02**
TOTAL		***1.64***	***10.99***	***15.17***	***0.06***	***3.93***	***1.26***

Retail and Residential Building A Building Construction 2025							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2025 Winter**						
	Off-Road	0.67	5.92	5.74	0.01	0.24	0.22
	Total	**0.67**	**5.92**	**5.74**	**0.01**	**0.24**	**0.22**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.11	4.07	1.66	0.02	0.69	0.22
	Worker	0.79	0.46	7.14	0.02	2.97	0.80
	Total	**0.89**	**4.53**	**8.80**	**0.04**	**3.66**	**1.02**
TOTAL		***1.56***	***10.45***	***14.54***	***0.06***	***3.90***	***1.24***
Onsite	**2025**						
	Off-Road	0.67	5.92	5.74	0.01	0.24	0.22
	Total	**0.67**	**5.92**	**5.74**	**0.01**	**0.24**	**0.22**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.11	4.07	1.66	0.02	0.69	0.22
	Worker	0.79	0.46	7.14	0.02	2.97	0.80
	Total	**0.89**	**4.53**	**8.80**	**0.04**	**3.66**	**1.02**
TOTAL		***1.56***	***10.45***	***14.54***	***0.06***	***3.90***	***1.24***

Retail Architectural Coating 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Winter						
	Archit. Coating	50.31				0.00	0.00
	Off-Road	0.38	2.61	3.62	0.01	0.14	0.14
	Total	**50.70**	**2.61**	**3.62**	**0.01**	**0.14**	**0.14**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.06	0.04	0.60	0.00	0.22	0.06
	Total	**0.06**	**0.04**	**0.60**	**0.00**	**0.22**	**0.06**
TOTAL		***50.76***	***2.65***	***4.22***	***0.01***	***0.36***	***0.20***
Onsite	**2023**						
	Archit. Coating	50.31	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.38	2.61	3.62	0.01	0.14	0.14
	Total	**50.70**	**2.61**	**3.62**	**0.01**	**0.14**	**0.14**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.06	0.04	0.60	0.00	0.22	0.06
	Total	**0.06**	**0.04**	**0.60**	**0.00**	**0.22**	**0.06**
TOTAL		***50.76***	***2.65***	***4.22***	***0.01***	***0.36***	***0.20***

Finishing/Landscaping

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2024 Winter**						
	Off-Road		0.45	5.29	2.11	0.01	0.17	0.16
	Total		**0.45**	**5.29**	**2.11**	**0.01**	**0.17**	**0.16**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.01	0.01	0.08	0.00	0.03	0.01
	Total		**0.01**	**0.01**	**0.08**	**0.00**	**0.03**	**0.01**
TOTAL			***0.46***	***5.29***	***2.19***	***0.01***	***0.20***	***0.17***
Onsite		**2024**						
	Off-Road		0.45	5.29	2.11	0.01	0.17	0.16
	Total		**0.45**	**5.29**	**2.11**	**0.01**	**0.17**	**0.16**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.01	0.01	0.08	0.00	0.03	0.01
	Total		**0.01**	**0.01**	**0.08**	**0.00**	**0.03**	**0.01**
TOTAL			***0.46***	***5.29***	***2.19***	***0.01***	***0.20***	***0.17***

Paving

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2024** Winter						
	Off-Road		0.47	4.96	5.63	0.01	0.21	0.19
	Paving		3.87				0.00	0.00
	Total		**4.34**	**4.96**	**5.63**	**0.01**	**0.21**	**0.19**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.02	0.01	0.21	0.00	0.08	0.02
	Total		**0.02**	**0.01**	**0.21**	**0.00**	**0.08**	**0.02**
TOTAL			***4.36***	***4.97***	***5.84***	***0.01***	***0.29***	***0.22***
Onsite		**2024**						
	Off-Road		0.47	4.96	5.63	0.01	0.21	0.19
	Paving		3.87	0.00	0.00	0.00	0.00	0.00
	Total		**4.34**	**4.96**	**5.63**	**0.01**	**0.21**	**0.19**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.02	0.01	0.21	0.00	0.08	0.02
	Total		**0.02**	**0.01**	**0.21**	**0.00**	**0.08**	**0.02**
TOTAL			***4.36***	***4.97***	***5.84***	***0.01***	***0.29***	***0.22***

Residential Architectural Coating 2025

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2025** Winter						
	Archit. Coating		41.38				0.00	0.00
	Off-Road		0.34	2.29	3.62	0.01	0.10	0.10
	Total		**41.72**	**2.29**	**3.62**	**0.01**	**0.10**	**0.10**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.06	0.03	0.52	0.00	0.22	0.06
	Total		**0.06**	**0.03**	**0.52**	**0.00**	**0.22**	**0.06**
TOTAL			***41.78***	***2.32***	***4.14***	***0.01***	***0.32***	***0.16***
Onsite		**2025**						
	Archit. Coating		41.38	0.00	0.00	0.00	0.00	0.00
	Off-Road		0.34	2.29	3.62	0.01	0.10	0.10
	Total		**41.72**	**2.29**	**3.62**	**0.01**	**0.10**	**0.10**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.06	0.03	0.52	0.00	0.22	0.06
	Total		**0.06**	**0.03**	**0.52**	**0.00**	**0.22**	**0.06**
TOTAL			***41.78***	***2.32***	***4.14***	***0.01***	***0.32***	***0.16***

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Building Demolition	*2*	*12*	*13*	*0*	*1*	*0*
Building and Asphalt Demolition	*2*	*13*	*16*	*0*	*1*	*1*
Building and Asphalt Demolition and Debris Haul	*2*	*22*	*18*	*0*	*6*	*2*
Site Preparation and Soil Haul 2022	*9*	*110*	*67*	*0*	*10*	*4*
Site Preparation and Soil Haul 2023	*9*	*99*	*65*	*0*	*9*	*4*
Site Preparation and Soil Haul 2023 and Retail and Residential Building A Building Construction 2023	*10*	*110*	*81*	*0*	*13*	*5*
Retail and Residential Building A Building Construction 2023	*2*	*11*	*16*	*0*	*4*	*1*
Retail and Residential Building A Building Construction 2023 and Retail Architectural Coating	*52*	*14*	*20*	*0*	*4*	*1*
Retail and Residential Building A Building Construction 2024	*2*	*11*	*15*	*0*	*4*	*1*
Retail and Residential Building A Building Construction 2024, Paving, and Finishing/Landscaping	*6*	*21*	*23*	*0*	*4*	*2*
Retail and Residential Building A Building Construction 2024 and Finishing/Landscaping	*2*	*16*	*17*	*0*	*4*	*1*
Retail and Residential Building A Building Construction 2025	*2*	*10*	*15*	*0*	*4*	*1*
Retail and Residential Building A Building Construction 2025 Residential Architectural Coating	*43*	*13*	*19*	*0*	*4*	*1*
MAX DAILY	**52**	**110**	**81**	**0**	**13**	**5**
Regional Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	Yes	No	No	No	No

Regional Construction Emissions Worksheet (Option 2):

Building Demolition

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022 Winter**						
	Off-Road		1.73	11.31	12.77	0.04	0.46	0.45
	Total		**1.73**	**11.31**	**12.77**	**0.04**	**0.46**	**0.45**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.03	0.02	0.31	0.00	0.10	0.03
	Total		**0.04**	**0.21**	**0.37**	**0.00**	**0.13**	**0.04**
TOTAL			***1.77***	***11.52***	***13.15***	***0.04***	***0.59***	***0.48***
Onsite		**2022**						
	Off-Road		1.73	11.31	12.77	0.04	0.46	0.45
	Total		**1.73**	**11.31**	**12.77**	**0.04**	**0.46**	**0.45**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.03	0.02	0.31	0.00	0.10	0.03
	Total		**0.04**	**0.21**	**0.37**	**0.00**	**0.13**	**0.04**
TOTAL			***1.77***	***11.52***	***13.15***	***0.04***	***0.59***	***0.48***

Building Demolition Haul

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022 Winter**						
	Fugitive Dust						2.44	0.37
	Off-Road		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**	**2.44**	**0.37**
Offsite								
	Hauling		0.11	4.31	1.18	0.02	0.46	0.15
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.11**	**4.31**	**1.18**	**0.02**	**0.46**	**0.15**
TOTAL			***0.11***	***4.31***	***1.18***	***0.02***	***2.90***	***0.52***
Onsite		**2022**						
	Fugitive Dust		0.00	0.00	0.00	0.00	2.44	0.37
	Off-Road		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**	**2.44**	**0.37**
Offsite								
	Hauling		0.11	4.31	1.18	0.02	0.46	0.15
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.11**	**4.31**	**1.18**	**0.02**	**0.46**	**0.15**
TOTAL			***0.11***	***4.31***	***1.18***	***0.02***	***2.90***	***0.52***

Asphalt Demolition

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022 Winter**						
	Off-Road		0.16	1.68	2.24	0.00	0.09	0.08
	Total		**0.16**	**1.68**	**2.24**	**0.00**	**0.09**	**0.08**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.01	0.01	0.09	0.00	0.03	0.01
	Total		**0.02**	**0.19**	**0.16**	**0.00**	**0.06**	**0.02**
TOTAL			***0.18***	***1.87***	***2.40***	***0.00***	***0.15***	***0.10***
Onsite		**2022**						
	Off-Road		0.16	1.68	2.24	0.00	0.09	0.08
	Total		**0.16**	**1.68**	**2.24**	**0.00**	**0.09**	**0.08**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.01	0.01	0.09	0.00	0.03	0.01
	Total		**0.02**	**0.19**	**0.16**	**0.00**	**0.06**	**0.02**
TOTAL			***0.18***	***1.87***	***2.40***	***0.00***	***0.15***	***0.10***

Asphalt Demolition Haul

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022** Winter						
	Fugitive Dust						1.73	0.26
	Off-Road		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**	**1.73**	**0.26**
Offsite								
	Hauling		0.11	4.40	1.21	0.02	0.47	0.15
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.11**	**4.40**	**1.21**	**0.02**	**0.47**	**0.15**
TOTAL			***0.11***	***4.40***	***1.21***	***0.02***	***2.20***	***0.41***
Onsite		**2022**						
	Fugitive Dust		0.00	0.00	0.00	0.00	1.73	0.26
	Off-Road		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**	**1.73**	**0.26**
Offsite								
	Hauling		0.11	4.40	1.21	0.02	0.47	0.15
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.11**	**4.40**	**1.21**	**0.02**	**0.47**	**0.15**
TOTAL			***0.11***	***4.40***	***1.21***	***0.02***	***2.20***	***0.41***

Site Preparation 2022

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022** Winter						
	Fugitive Dust						4.53	0.49
	Off-Road		8.97	101.36	64.08	0.16	3.81	3.51
	Total		**8.97**	**101.36**	**64.08**	**0.16**	**8.35**	**4.00**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.11	0.08	1.07	0.00	0.36	0.10
	Total		**0.12**	**0.26**	**1.14**	**0.00**	**0.39**	**0.11**
TOTAL			***9.09***	***101.63***	***65.22***	***0.16***	***8.73***	***4.10***
Onsite		**2022**						
	Fugitive Dust		0.00	0.00	0.00	0.00	4.53	0.49
	Off-Road		8.97	101.36	64.08	0.16	3.81	3.51
	Total		**8.97**	**101.36**	**64.08**	**0.16**	**8.35**	**4.00**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.11	0.08	1.07	0.00	0.36	0.10
	Total		**0.12**	**0.26**	**1.14**	**0.00**	**0.39**	**0.11**
TOTAL			***9.09***	***101.63***	***65.22***	***0.16***	***8.73***	***4.10***

Site Preparation 2023

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2023** Winter						
	Fugitive Dust						4.53	0.49
	Off-Road		8.52	92.74	62.01	0.16	3.51	3.23
	Total		**8.52**	**92.74**	**62.01**	**0.16**	**8.04**	**3.72**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.15	0.06	0.00	0.02	0.01
	Worker		0.11	0.07	1.00	0.00	0.36	0.10
	Total		**0.11**	**0.22**	**1.06**	**0.00**	**0.39**	**0.11**
TOTAL			***8.63***	***92.96***	***63.07***	***0.16***	***8.43***	***3.82***
Onsite		**2023**						
	Fugitive Dust		0.00	0.00	0.00	0.00	4.53	0.49
	Off-Road		8.52	92.74	62.01	0.16	3.51	3.23
	Total		**8.52**	**92.74**	**62.01**	**0.16**	**8.04**	**3.72**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.15	0.06	0.00	0.02	0.01
	Worker		0.11	0.07	1.00	0.00	0.36	0.10
	Total		**0.11**	**0.22**	**1.06**	**0.00**	**0.39**	**0.11**
TOTAL			***8.63***	***92.96***	***63.07***	***0.16***	***8.43***	***3.82***

Site Preparation Soil Haul 2022		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Winter						
	Fugitive Dust					0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.19	7.91	2.17	0.03	0.85	0.27
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.19**	**7.91**	**2.17**	**0.03**	**0.85**	**0.27**
TOTAL		***0.19***	***7.91***	***2.17***	***0.03***	***0.87***	***0.28***
Onsite	**2022**						
	Fugitive Dust	0.00	0.00	0.00	0.00	0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.19	7.91	2.17	0.03	0.85	0.27
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.19**	**7.91**	**2.17**	**0.03**	**0.85**	**0.27**
TOTAL		***0.19***	***7.91***	***2.17***	***0.03***	***0.87***	***0.28***

Site Preparation Soil Haul 2023		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023 Winter**						
	Fugitive Dust					0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.10	6.07	2.02	0.03	0.83	0.26
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.10**	**6.07**	**2.02**	**0.03**	**0.83**	**0.26**
TOTAL		***0.10***	***6.07***	***2.02***	***0.03***	***0.85***	***0.26***
Onsite	**2023**						
	Fugitive Dust	0.00	0.00	0.00	0.00	0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.10	6.07	2.02	0.03	0.83	0.26
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.10**	**6.07**	**2.02**	**0.03**	**0.83**	**0.26**
TOTAL		***0.10***	***6.07***	***2.02***	***0.03***	***0.85***	***0.26***

Retail and Residential Building A Building Construction 2023		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Winter						
	Off-Road	0.72	6.67	6.01	0.01	0.28	0.26
	Total	**0.72**	**6.67**	**6.01**	**0.01**	**0.28**	**0.26**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.33	1.36	0.02	0.56	0.17
	Worker	2.80	1.80	25.89	0.08	9.43	2.55
	Total	**2.89**	**5.13**	**27.25**	**0.10**	**9.99**	**2.72**
TOTAL		***3.61***	***11.80***	***33.26***	***0.11***	***10.27***	***2.98***
Onsite	**2023**						
	Off-Road	0.72	6.67	6.01	0.01	0.28	0.26
	Total	**0.72**	**6.67**	**6.01**	**0.01**	**0.28**	**0.26**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.33	1.36	0.02	0.56	0.17
	Worker	2.80	1.80	25.89	0.08	9.43	2.55
	Total	**2.89**	**5.13**	**27.25**	**0.10**	**9.99**	**2.72**
TOTAL		***3.61***	***11.80***	***33.26***	***0.11***	***10.27***	***2.98***

Retail and Residential Building A Building Construction 2024							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024 Winter**						
	Off-Road	0.70	6.39	5.89	0.01	0.26	0.24
	Total	**0.70**	**6.39**	**5.89**	**0.01**	**0.26**	**0.24**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.32	1.35	0.02	0.56	0.17
	Worker	2.64	1.62	24.12	0.08	9.43	2.55
	Total	**2.73**	**4.94**	**25.47**	**0.10**	**9.99**	**2.72**
TOTAL		***3.43***	***11.33***	***31.36***	***0.11***	***10.25***	***2.97***
Onsite	**2024**						
	Off-Road	0.70	6.39	5.89	0.01	0.26	0.24
	Total	**0.70**	**6.39**	**5.89**	**0.01**	**0.26**	**0.24**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.32	1.35	0.02	0.56	0.17
	Worker	2.64	1.62	24.12	0.08	9.43	2.55
	Total	**2.73**	**4.94**	**25.47**	**0.10**	**9.99**	**2.72**
TOTAL		***3.43***	***11.33***	***31.36***	***0.11***	***10.25***	***2.97***

Retail and Residential Building A Building Construction 2025							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2025 Winter**						
	Off-Road	0.67	5.92	5.74	0.01	0.24	0.22
	Total	**0.67**	**5.92**	**5.74**	**0.01**	**0.24**	**0.22**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.31	1.35	0.02	0.56	0.17
	Worker	2.50	1.46	22.65	0.08	9.42	2.55
	Total	**2.59**	**4.77**	**24.00**	**0.09**	**9.98**	**2.72**
TOTAL		***3.26***	***10.69***	***29.74***	***0.10***	***10.22***	***2.94***
Onsite	**2025**						
	Off-Road	0.67	5.92	5.74	0.01	0.24	0.22
	Total	**0.67**	**5.92**	**5.74**	**0.01**	**0.24**	**0.22**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.31	1.35	0.02	0.56	0.17
	Worker	2.50	1.46	22.65	0.08	9.42	2.55
	Total	**2.59**	**4.77**	**24.00**	**0.09**	**9.98**	**2.72**
TOTAL		***3.26***	***10.69***	***29.74***	***0.10***	***10.22***	***2.94***

Retail Architectural Coating 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Winter						
	Archit. Coating	26.15				0.00	0.00
	Off-Road	0.38	2.61	3.62	0.01	0.14	0.14
	Total	**26.53**	**2.61**	**3.62**	**0.01**	**0.14**	**0.14**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.56	0.36	5.18	0.02	1.89	0.51
	Total	**0.56**	**0.36**	**5.18**	**0.02**	**1.89**	**0.51**
TOTAL		***27.09***	***2.97***	***8.80***	***0.02***	***2.03***	***0.65***
Onsite	**2023**						
	Archit. Coating	26.15	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.38	2.61	3.62	0.01	0.14	0.14
	Total	**26.53**	**2.61**	**3.62**	**0.01**	**0.14**	**0.14**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.56	0.36	5.18	0.02	1.89	0.51
	Total	**0.56**	**0.36**	**5.18**	**0.02**	**1.89**	**0.51**
TOTAL		***27.09***	***2.97***	***8.80***	***0.02***	***2.03***	***0.65***

Residential Building A Architectural Coating 2025

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2023** Winter						
	Archit. Coating		41.38				0.00	0.00
	Off-Road		0.34	2.29	3.62	0.01	0.10	0.10
	Total		**41.72**	**2.29**	**3.62**	**0.01**	**0.10**	**0.10**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.50	0.29	4.53	0.02	1.88	0.51
	Total		**0.50**	**0.29**	**4.53**	**0.02**	**1.88**	**0.51**
TOTAL			***42.22***	***2.58***	***8.15***	***0.02***	***1.99***	***0.61***
Onsite		**2023**						
	Archit. Coating		41.38	0.00	0.00	0.00	0.00	0.00
	Off-Road		0.34	2.29	3.62	0.01	0.10	0.10
	Total		**41.72**	**2.29**	**3.62**	**0.01**	**0.10**	**0.10**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.50	0.29	4.53	0.02	1.88	0.51
	Total		**0.50**	**0.29**	**4.53**	**0.02**	**1.88**	**0.51**
TOTAL			***42.22***	***2.58***	***8.15***	***0.02***	***1.99***	***0.61***

Paving

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2024** Winter						
	Off-Road		0.47	4.96	5.63	0.01	0.21	0.19
	Paving		3.87				0.00	0.00
	Total		**4.34**	**4.96**	**5.63**	**0.01**	**0.21**	**0.19**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.02	0.01	0.21	0.00	0.08	0.02
	Total		**0.02**	**0.01**	**0.21**	**0.00**	**0.08**	**0.02**
TOTAL			***4.36***	***4.97***	***5.84***	***0.01***	***0.29***	***0.22***
Onsite		**2024**						
	Off-Road		0.47	4.96	5.63	0.01	0.21	0.19
	Paving		3.87	0.00	0.00	0.00	0.00	0.00
	Total		**4.34**	**4.96**	**5.63**	**0.01**	**0.21**	**0.19**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.02	0.01	0.21	0.00	0.08	0.02
	Total		**0.02**	**0.01**	**0.21**	**0.00**	**0.08**	**0.02**
TOTAL			***4.36***	***4.97***	***5.84***	***0.01***	***0.29***	***0.22***

Finishing/Landscaping

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2024 Winter**						
	Off-Road		0.45	5.29	2.11	0.01	0.17	0.16
	Total		**0.45**	**5.29**	**2.11**	**0.01**	**0.17**	**0.16**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.01	0.01	0.08	0.00	0.03	0.01
	Total		**0.01**	**0.01**	**0.08**	**0.00**	**0.03**	**0.01**
TOTAL			***0.46***	***5.29***	***2.19***	***0.01***	***0.20***	***0.17***
Onsite		**2024**						
	Off-Road		0.45	5.29	2.11	0.01	0.17	0.16
	Total		**0.45**	**5.29**	**2.11**	**0.01**	**0.17**	**0.16**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.01	0.01	0.08	0.00	0.03	0.01
	Total		**0.01**	**0.01**	**0.08**	**0.00**	**0.03**	**0.01**
TOTAL			***0.46***	***5.29***	***2.19***	***0.01***	***0.20***	***0.17***

Residential Building B Building Construction 2026							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2026 Winter**						
	Off-Road	0.67	5.92	5.74	0.01	0.24	0.22
	Total	**0.67**	**5.92**	**5.74**	**0.01**	**0.24**	**0.22**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.84	0.75	0.01	0.31	0.10
	Worker	2.38	1.34	21.42	0.07	9.42	2.54
	Total	**2.42**	**3.18**	**22.18**	**0.08**	**9.74**	**2.64**
TOTAL		***3.09***	***9.10***	***27.91***	***0.10***	***9.97***	***2.86***
Onsite	**2026**						
	Off-Road	0.67	5.92	5.74	0.01	0.24	0.22
	Total	**0.67**	**5.92**	**5.74**	**0.01**	**0.24**	**0.22**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.84	0.75	0.01	0.31	0.10
	Worker	2.38	1.34	21.42	0.07	9.42	2.54
	Total	**2.42**	**3.18**	**22.18**	**0.08**	**9.74**	**2.64**
TOTAL		***3.09***	***9.10***	***27.91***	***0.10***	***9.97***	***2.86***

Residential Building B Building Construction 2027							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2027 Winter**						
	Off-Road	0.67	5.92	5.74	0.01	0.24	0.22
	Total	**0.67**	**5.92**	**5.74**	**0.01**	**0.24**	**0.22**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.83	0.75	0.01	0.31	0.10
	Worker	2.26	1.23	20.38	0.07	9.42	2.54
	Total	**2.31**	**3.06**	**21.13**	**0.08**	**9.73**	**2.64**
TOTAL		***2.98***	***8.98***	***26.87***	***0.09***	***9.97***	***2.86***
Onsite	**2027**						
	Off-Road	0.67	5.92	5.74	0.01	0.24	0.22
	Total	**0.67**	**5.92**	**5.74**	**0.01**	**0.24**	**0.22**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.83	0.75	0.01	0.31	0.10
	Worker	2.26	1.23	20.38	0.07	9.42	2.54
	Total	**2.31**	**3.06**	**21.13**	**0.08**	**9.73**	**2.64**
TOTAL		***2.98***	***8.98***	***26.87***	***0.09***	***9.97***	***2.86***

Residential Building B Building Construction 2028							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2028 Winter**						
	Off-Road	0.67	5.92	5.74	0.01	0.24	0.22
	Total	**0.67**	**5.92**	**5.74**	**0.01**	**0.24**	**0.22**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.81	0.75	0.01	0.31	0.10
	Worker	2.16	1.15	19.50	0.07	9.42	2.54
	Total	**2.20**	**2.96**	**20.25**	**0.08**	**9.73**	**2.64**
TOTAL		***2.87***	***8.88***	***25.99***	***0.09***	***9.97***	***2.86***
Onsite	**2028**						
	Off-Road	0.67	5.92	5.74	0.01	0.24	0.22
	Total	**0.67**	**5.92**	**5.74**	**0.01**	**0.24**	**0.22**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.81	0.75	0.01	0.31	0.10
	Worker	2.16	1.15	19.50	0.07	9.42	2.54
	Total	**2.20**	**2.96**	**20.25**	**0.08**	**9.73**	**2.64**
TOTAL		***2.87***	***8.88***	***25.99***	***0.09***	***9.97***	***2.86***

Residential Architectural Coating 2028							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2028** Winter						
	Archit. Coating	35.70				0.00	0.00
	Off-Road	0.34	2.29	3.62	0.01	0.10	0.10
	Total	**36.04**	**2.29**	**3.62**	**0.01**	**0.10**	**0.10**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.43	0.23	3.90	0.01	1.88	0.51
	Total	**0.43**	**0.23**	**3.90**	**0.01**	**1.88**	**0.51**
TOTAL		***36.47***	***2.52***	***7.52***	***0.02***	***1.99***	***0.61***
Onsite	**2028**						
	Archit. Coating	35.70	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.34	2.29	3.62	0.01	0.10	0.10
	Total	**36.04**	**2.29**	**3.62**	**0.01**	**0.10**	**0.10**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.43	0.23	3.90	0.01	1.88	0.51
	Total	**0.43**	**0.23**	**3.90**	**0.01**	**1.88**	**0.51**
TOTAL		***36.47***	***2.52***	***7.52***	***0.02***	***1.99***	***0.61***

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Building Demolition	***2***	***12***	***13***	***0***	***1***	***0***
Building and Asphalt Demolition	***2***	***13***	***16***	***0***	***1***	***1***
Building and Asphalt Demolition and Debris Haul	***2***	***22***	***18***	***0***	***6***	***2***
Site Preparation and Soil Haul 2022	***9***	***110***	***67***	***0***	***10***	***4***
Site Preparation and Soil Haul 2023	***9***	***99***	***65***	***0***	***9***	***4***
Site Preparation and Soil Haul 2023 and Retail and Residential Building A Building Construction 2023	***12***	***111***	***98***	***0***	***20***	***7***
Retail and Residential Building A Building Construction 2023	***4***	***12***	***33***	***0***	***10***	***3***
Retail and Residential Building A Building Construction 2023 and Retail Architectural Coating	***31***	***15***	***42***	***0***	***12***	***4***
Retail and Residential Building A Building Construction 2024	***3***	***11***	***31***	***0***	***10***	***3***
Retail and Residential Building A Building Construction 2024, Paving, and Finishing/Landscaping	***8***	***22***	***39***	***0***	***11***	***3***
Retail and Residential Building A Building Construction 2024 and Finishing/Landscaping	***4***	***17***	***34***	***0***	***10***	***3***
Retail and Residential Building A Building Construction 2025	***3***	***11***	***30***	***0***	***10***	***3***
Retail and Residential Building A Building Construction 2025 and Residential Building A Architectural Coating	***30***	***14***	***39***	***0***	***12***	***4***
Residential Building B Building Construction 2026	***3***	***9***	***28***	***0***	***10***	***3***
Residential Building B Building Construction 2027	***3***	***9***	***27***	***0***	***10***	***3***
Residential Building B Building Construction 2028	***3***	***9***	***26***	***0***	***10***	***3***
Residential Building B Building Construction 2028 and Residential Building B Architectural Coating	***39***	***11***	***34***	***0***	***12***	***3***
MAX DAILY	**42**	**111**	**98**	**0**	**20**	**7**
Regional Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	Yes	No	No	No	No

Regional Construction Emissions Worksheet (Option 1):

Building Demolition

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022 Winter**						
	Off-Road		0.43	1.87	19.43	0.04	0.06	0.06
	Total		**0.43**	**1.87**	**19.43**	**0.04**	**0.06**	**0.06**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.03	0.02	0.31	0.00	0.10	0.03
	Total		**0.04**	**0.21**	**0.37**	**0.00**	**0.13**	**0.04**
TOTAL			***0.47***	***2.08***	***19.80***	***0.04***	***0.19***	***0.09***
Onsite		**2022**						
	Off-Road		0.43	1.87	19.43	0.04	0.06	0.06
	Total		**0.43**	**1.87**	**19.43**	**0.04**	**0.06**	**0.06**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.03	0.02	0.31	0.00	0.10	0.03
	Total		**0.04**	**0.21**	**0.37**	**0.00**	**0.13**	**0.04**
TOTAL			***0.47***	***2.08***	***19.80***	***0.04***	***0.19***	***0.09***

Building Demolition Haul

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022** Winter						
	Fugitive Dust						2.44	0.37
	Off-Road		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**	**2.44**	**0.37**
Offsite								
	Hauling		0.11	4.31	1.18	0.02	0.46	0.15
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.11**	**4.31**	**1.18**	**0.02**	**0.46**	**0.15**
TOTAL			***0.11***	***4.31***	***1.18***	***0.02***	***2.90***	***0.52***
Onsite		**2022**						
	Fugitive Dust		0.00	0.00	0.00	0.00	2.44	0.37
	Off-Road		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**	**2.44**	**0.37**
Offsite								
	Hauling		0.11	4.31	1.18	0.02	0.46	0.15
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.11**	**4.31**	**1.18**	**0.02**	**0.46**	**0.15**
TOTAL			***0.11***	***4.31***	***1.18***	***0.02***	***2.90***	***0.52***

Asphalt Demolition

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022** Winter						
	Off-Road		0.04	0.16	2.34	0.00	0.01	0.01
	Total		**0.04**	**0.16**	**2.34**	**0.00**	**0.01**	**0.01**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.01	0.01	0.09	0.00	0.03	0.01
	Total		**0.02**	**0.19**	**0.16**	**0.00**	**0.06**	**0.02**
TOTAL			***0.05***	***0.36***	***2.50***	***0.00***	***0.06***	***0.02***
Onsite		**2022**						
	Off-Road		0.04	0.16	2.34	0.00	0.01	0.01
	Total		**0.04**	**0.16**	**2.34**	**0.00**	**0.01**	**0.01**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.01	0.01	0.09	0.00	0.03	0.01
	Total		**0.02**	**0.19**	**0.16**	**0.00**	**0.06**	**0.02**
TOTAL			***0.05***	***0.36***	***2.50***	***0.00***	***0.06***	***0.02***

Asphalt Demolition Haul

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022** Winter						
	Fugitive Dust						1.73	0.26
	Off-Road		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**	**1.73**	**0.26**
Offsite								
	Hauling		0.11	4.40	1.21	0.02	0.47	0.15
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.11**	**4.40**	**1.21**	**0.02**	**0.47**	**0.15**
TOTAL			***0.11***	***4.40***	***1.21***	***0.02***	***2.20***	***0.41***
Onsite		**2022**						
	Fugitive Dust		0.00	0.00	0.00	0.00	1.73	0.26
	Off-Road		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**	**1.73**	**0.26**
Offsite								
	Hauling		0.11	4.40	1.21	0.02	0.47	0.15
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.11**	**4.40**	**1.21**	**0.02**	**0.47**	**0.15**
TOTAL			***0.11***	***4.40***	***1.21***	***0.02***	***2.20***	***0.41***

Site Preparation 2022

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022** Winter						
	Fugitive Dust						4.53	0.49
	Off-Road		1.97	8.56	74.38	0.16	0.26	0.26
	Total		**1.97**	**8.56**	**74.38**	**0.16**	**4.80**	**0.75**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.11	0.08	1.07	0.00	0.36	0.10
	Total		**0.12**	**0.26**	**1.14**	**0.00**	**0.39**	**0.11**
TOTAL			***2.10***	***8.82***	***75.51***	***0.16***	***5.19***	***0.86***
Onsite		**2022**						
	Fugitive Dust		0.00	0.00	0.00	0.00	4.53	0.49
	Off-Road		1.97	8.56	74.38	0.16	0.26	0.26
	Total		**1.97**	**8.56**	**74.38**	**0.16**	**4.80**	**0.75**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.11	0.08	1.07	0.00	0.36	0.10
	Total		**0.12**	**0.26**	**1.14**	**0.00**	**0.39**	**0.11**
TOTAL			***2.10***	***8.82***	***75.51***	***0.16***	***5.19***	***0.86***

Site Preparation 2023

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2023** Winter						
	Fugitive Dust						4.53	0.49
	Off-Road		1.97	8.56	74.38	0.16	0.26	0.26
	Total		**1.97**	**8.56**	**74.38**	**0.16**	**4.80**	**0.75**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.15	0.06	0.00	0.02	0.01
	Worker		0.11	0.07	1.00	0.00	0.36	0.10
	Total		**0.11**	**0.22**	**1.06**	**0.00**	**0.39**	**0.11**
TOTAL			***2.09***	***8.77***	***75.43***	***0.16***	***5.18***	***0.86***
Onsite		**2023**						
	Fugitive Dust		0.00	0.00	0.00	0.00	4.53	0.49
	Off-Road		1.97	8.56	74.38	0.16	0.26	0.26
	Total		**1.97**	**8.56**	**74.38**	**0.16**	**4.80**	**0.75**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.15	0.06	0.00	0.02	0.01
	Worker		0.11	0.07	1.00	0.00	0.36	0.10
	Total		**0.11**	**0.22**	**1.06**	**0.00**	**0.39**	**0.11**
TOTAL			***2.09***	***8.77***	***75.43***	***0.16***	***5.18***	***0.86***

Site Preparation Soil Haul 2022		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Winter						
	Fugitive Dust					0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.19	7.91	2.17	0.03	0.85	0.27
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.19**	**7.91**	**2.17**	**0.03**	**0.85**	**0.27**
TOTAL		***0.19***	***7.91***	***2.17***	***0.03***	***0.87***	***0.28***
Onsite	**2022**						
	Fugitive Dust	0.00	0.00	0.00	0.00	0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.19	7.91	2.17	0.03	0.85	0.27
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.19**	**7.91**	**2.17**	**0.03**	**0.85**	**0.27**
TOTAL		***0.19***	***7.91***	***2.17***	***0.03***	***0.87***	***0.28***

Site Preparation Soil Haul 2023		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023 Winter**						
	Fugitive Dust					0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.10	6.07	2.02	0.03	0.83	0.26
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.10**	**6.07**	**2.02**	**0.03**	**0.83**	**0.26**
TOTAL		***0.10***	***6.07***	***2.02***	***0.03***	***0.85***	***0.26***
Onsite	**2023**						
	Fugitive Dust	0.00	0.00	0.00	0.00	0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.10	6.07	2.02	0.03	0.83	0.26
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.10**	**6.07**	**2.02**	**0.03**	**0.83**	**0.26**
TOTAL		***0.10***	***6.07***	***2.02***	***0.03***	***0.85***	***0.26***

Retail and Residential Building A Building Construction 2023		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Winter						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.11	4.10	1.68	0.02	0.69	0.21
	Worker	0.88	0.57	8.16	0.03	2.97	0.80
	Total	**0.99**	**4.67**	**9.84**	**0.05**	**3.66**	**1.02**
TOTAL		***1.33***	***6.51***	***16.25***	***0.06***	***3.73***	***1.08***
Onsite	**2023**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.11	4.10	1.68	0.02	0.69	0.21
	Worker	0.88	0.57	8.16	0.03	2.97	0.80
	Total	**0.99**	**4.67**	**9.84**	**0.05**	**3.66**	**1.02**
TOTAL		***1.33***	***6.51***	***16.25***	***0.06***	***3.73***	***1.08***

Retail and Residential Building A Building Construction 2024							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024 Winter**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.11	4.09	1.67	0.02	0.69	0.22
	Worker	0.83	0.51	7.61	0.03	2.97	0.80
	Total	**0.94**	**4.60**	**9.27**	**0.04**	**3.66**	**1.02**
TOTAL		***1.27***	***6.44***	***15.68***	***0.06***	***3.73***	***1.08***
Onsite	**2024**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.11	4.09	1.67	0.02	0.69	0.22
	Worker	0.83	0.51	7.61	0.03	2.97	0.80
	Total	**0.94**	**4.60**	**9.27**	**0.04**	**3.66**	**1.02**
TOTAL		***1.27***	***6.44***	***15.68***	***0.06***	***3.73***	***1.08***

Retail and Residential Building A Building Construction 2025							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2025 Winter**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.11	4.07	1.66	0.02	0.69	0.22
	Worker	0.79	0.46	7.14	0.02	2.97	0.80
	Total	**0.89**	**4.53**	**8.80**	**0.04**	**3.66**	**1.02**
TOTAL		***1.23***	***6.38***	***15.21***	***0.06***	***3.73***	***1.08***
Onsite	**2025**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.11	4.07	1.66	0.02	0.69	0.22
	Worker	0.79	0.46	7.14	0.02	2.97	0.80
	Total	**0.89**	**4.53**	**8.80**	**0.04**	**3.66**	**1.02**
TOTAL		***1.23***	***6.38***	***15.21***	***0.06***	***3.73***	***1.08***

Retail Architectural Coating 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Winter						
	Archit. Coating	50.31				0.00	0.00
	Off-Road	0.06	0.26	3.66	0.01	0.01	0.01
	Total	**50.37**	**0.26**	**3.66**	**0.01**	**0.01**	**0.01**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.06	0.04	0.60	0.00	0.22	0.06
	Total	**0.06**	**0.04**	**0.60**	**0.00**	**0.22**	**0.06**
TOTAL		***50.44***	***0.30***	***4.26***	***0.01***	***0.23***	***0.07***
Onsite	**2023**						
	Archit. Coating	50.31	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.06	0.26	3.66	0.01	0.01	0.01
	Total	**50.37**	**0.26**	**3.66**	**0.01**	**0.01**	**0.01**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.06	0.04	0.60	0.00	0.22	0.06
	Total	**0.06**	**0.04**	**0.60**	**0.00**	**0.22**	**0.06**
TOTAL		***50.44***	***0.30***	***4.26***	***0.01***	***0.23***	***0.07***

Finishing/Landscaping

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024 Winter**						
	Off-Road	0.10	0.45	3.79	0.01	0.01	0.01
	Total	**0.10**	**0.45**	**3.79**	**0.01**	**0.01**	**0.01**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.01	0.08	0.00	0.03	0.01
	Total	**0.01**	**0.01**	**0.08**	**0.00**	**0.03**	**0.01**
TOTAL		***0.11***	***0.45***	***3.87***	***0.01***	***0.04***	***0.02***
Onsite	**2024**						
	Off-Road	0.10	0.45	3.79	0.01	0.01	0.01
	Total	**0.10**	**0.45**	**3.79**	**0.01**	**0.01**	**0.01**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.01	0.08	0.00	0.03	0.01
	Total	**0.01**	**0.01**	**0.08**	**0.00**	**0.03**	**0.01**
TOTAL		***0.11***	***0.45***	***3.87***	***0.01***	***0.04***	***0.02***

Paving

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024** Winter						
	Off-Road	0.16	0.68	7.54	0.01	0.02	0.02
	Paving	3.87				0.00	0.00
	Total	**4.03**	**0.68**	**7.54**	**0.01**	**0.02**	**0.02**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.02	0.01	0.21	0.00	0.08	0.02
	Total	**0.02**	**0.01**	**0.21**	**0.00**	**0.08**	**0.02**
TOTAL		***4.05***	***0.69***	***7.75***	***0.01***	***0.10***	***0.04***
Onsite	**2024**						
	Off-Road	0.16	0.68	7.54	0.01	0.02	0.02
	Paving	3.87	0.00	0.00	0.00	0.00	0.00
	Total	**4.03**	**0.68**	**7.54**	**0.01**	**0.02**	**0.02**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.02	0.01	0.21	0.00	0.08	0.02
	Total	**0.02**	**0.01**	**0.21**	**0.00**	**0.08**	**0.02**
TOTAL		***4.05***	***0.69***	***7.75***	***0.01***	***0.10***	***0.04***

Residential Architectural Coating 2025

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2025** Winter						
	Archit. Coating	41.38				0.00	0.00
	Off-Road	0.06	0.26	3.66	0.01	0.01	0.01
	Total	**41.44**	**0.26**	**3.66**	**0.01**	**0.01**	**0.01**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.06	0.03	0.52	0.00	0.22	0.06
	Total	**0.06**	**0.03**	**0.52**	**0.00**	**0.22**	**0.06**
TOTAL		***41.50***	***0.29***	***4.19***	***0.01***	***0.23***	***0.07***
Onsite	**2025**						
	Archit. Coating	41.38	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.06	0.26	3.66	0.01	0.01	0.01
	Total	**41.44**	**0.26**	**3.66**	**0.01**	**0.01**	**0.01**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.06	0.03	0.52	0.00	0.22	0.06
	Total	**0.06**	**0.03**	**0.52**	**0.00**	**0.22**	**0.06**
TOTAL		***41.50***	***0.29***	***4.19***	***0.01***	***0.23***	***0.07***

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Building Demolition	*0*	*2*	*20*	*0*	*0*	*0*
Building and Asphalt Demolition	*1*	*2*	*22*	*0*	*0*	*0*
Building and Asphalt Demolition and Debris Haul	*1*	*11*	*25*	*0*	*5*	*1*
Site Preparation and Soil Haul 2022	*2*	*17*	*78*	*0*	*6*	*1*
Site Preparation and Soil Haul 2023	*2*	*15*	*77*	*0*	*6*	*1*
Site Preparation and Soil Haul 2023 and Retail and Residential Building A Building Construction 2023	*4*	*21*	*94*	*0*	*10*	*2*
Retail and Residential Building A Building Construction 2023	*1*	*7*	*16*	*0*	*4*	*1*
Retail and Residential Building A Building Construction 2023 and Retail Architectural Coating	*52*	*7*	*21*	*0*	*4*	*1*
Retail and Residential Building A Building Construction 2024	*1*	*6*	*16*	*0*	*4*	*1*
Retail and Residential Building A Building Construction 2024, Paving, and Finishing/Landscaping	*5*	*8*	*27*	*0*	*4*	*1*
Retail and Residential Building A Building Construction 2024 and Finishing/Landscaping	*1*	*7*	*20*	*0*	*4*	*1*
Retail and Residential Building A Building Construction 2025	*1*	*6*	*15*	*0*	*4*	*1*
Retail and Residential Building A Building Construction 2025 Residential Architectural Coating	*43*	*7*	*19*	*0*	*4*	*1*
MAX DAILY	**52**	**21**	**94**	**0**	**10**	**2**
Regional Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	No	No	No	No	No

Regional Construction Emissions Worksheet (Option 2):

Building Demolition

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022 Winter**						
	Off-Road		0.43	1.87	19.43	0.04	0.06	0.06
	Total		**0.43**	**1.87**	**19.43**	**0.04**	**0.06**	**0.06**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.03	0.02	0.31	0.00	0.10	0.03
	Total		**0.04**	**0.21**	**0.37**	**0.00**	**0.13**	**0.04**
TOTAL			***0.47***	***2.08***	***19.80***	***0.04***	***0.19***	***0.09***
Onsite		**2022**						
	Off-Road		0.43	1.87	19.43	0.04	0.06	0.06
	Total		**0.43**	**1.87**	**19.43**	**0.04**	**0.06**	**0.06**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.03	0.02	0.31	0.00	0.10	0.03
	Total		**0.04**	**0.21**	**0.37**	**0.00**	**0.13**	**0.04**
TOTAL			***0.47***	***2.08***	***19.80***	***0.04***	***0.19***	***0.09***

Building Demolition Haul

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022** Winter						
	Fugitive Dust						2.44	0.37
	Off-Road		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**	**2.44**	**0.37**
Offsite								
	Hauling		0.11	4.31	1.18	0.02	0.46	0.15
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.11**	**4.31**	**1.18**	**0.02**	**0.46**	**0.15**
TOTAL			***0.11***	***4.31***	***1.18***	***0.02***	***2.90***	***0.52***
Onsite		**2022**						
	Fugitive Dust		0.00	0.00	0.00	0.00	2.44	0.37
	Off-Road		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**	**2.44**	**0.37**
Offsite								
	Hauling		0.11	4.31	1.18	0.02	0.46	0.15
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00	0.00
	Total		**0.11**	**4.31**	**1.18**	**0.02**	**0.46**	**0.15**
TOTAL			***0.11***	***4.31***	***1.18***	***0.02***	***2.90***	***0.52***

Asphalt Demolition

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022** Winter						
	Off-Road		0.04	0.16	2.34	0.00	0.01	0.01
	Total		**0.04**	**0.16**	**2.34**	**0.00**	**0.01**	**0.01**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.01	0.01	0.09	0.00	0.03	0.01
	Total		**0.02**	**0.19**	**0.16**	**0.00**	**0.06**	**0.02**
TOTAL			***0.05***	***0.36***	***2.50***	***0.00***	***0.06***	***0.02***
Onsite		**2022**						
	Off-Road		0.04	0.16	2.34	0.00	0.01	0.01
	Total		**0.04**	**0.16**	**2.34**	**0.00**	**0.01**	**0.01**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.07	0.00	0.03	0.01
	Worker		0.01	0.01	0.09	0.00	0.03	0.01
	Total		**0.02**	**0.19**	**0.16**	**0.00**	**0.06**	**0.02**
TOTAL			***0.05***	***0.36***	***2.50***	***0.00***	***0.06***	***0.02***

Asphalt Demolition Haul

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Winter						
	Fugitive Dust					1.73	0.26
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**1.73**	**0.26**
Offsite							
	Hauling	0.11	4.40	1.21	0.02	0.47	0.15
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.11**	**4.40**	**1.21**	**0.02**	**0.47**	**0.15**
TOTAL		***0.11***	***4.40***	***1.21***	***0.02***	***2.20***	***0.41***
Onsite	**2022**						
	Fugitive Dust	0.00	0.00	0.00	0.00	1.73	0.26
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**1.73**	**0.26**
Offsite							
	Hauling	0.11	4.40	1.21	0.02	0.47	0.15
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.11**	**4.40**	**1.21**	**0.02**	**0.47**	**0.15**
TOTAL		***0.11***	***4.40***	***1.21***	***0.02***	***2.20***	***0.41***

Site Preparation 2022

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Winter						
	Fugitive Dust					4.53	0.49
	Off-Road	1.97	8.56	74.38	0.16	0.26	0.26
	Total	**1.97**	**8.56**	**74.38**	**0.16**	**4.80**	**0.75**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.07	0.00	0.03	0.01
	Worker	0.11	0.08	1.07	0.00	0.36	0.10
	Total	**0.12**	**0.26**	**1.14**	**0.00**	**0.39**	**0.11**
TOTAL		***2.10***	***8.82***	***75.51***	***0.16***	***5.19***	***0.86***
Onsite	**2022**						
	Fugitive Dust	0.00	0.00	0.00	0.00	4.53	0.49
	Off-Road	1.97	8.56	74.38	0.16	0.26	0.26
	Total	**1.97**	**8.56**	**74.38**	**0.16**	**4.80**	**0.75**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.07	0.00	0.03	0.01
	Worker	0.11	0.08	1.07	0.00	0.36	0.10
	Total	**0.12**	**0.26**	**1.14**	**0.00**	**0.39**	**0.11**
TOTAL		***2.10***	***8.82***	***75.51***	***0.16***	***5.19***	***0.86***

Site Preparation 2023

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Winter						
	Fugitive Dust					4.53	0.49
	Off-Road	1.97	8.56	74.38	0.16	0.26	0.26
	Total	**1.97**	**8.56**	**74.38**	**0.16**	**4.80**	**0.75**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.15	0.06	0.00	0.02	0.01
	Worker	0.11	0.07	1.00	0.00	0.36	0.10
	Total	**0.11**	**0.22**	**1.06**	**0.00**	**0.39**	**0.11**
TOTAL		***2.09***	***8.77***	***75.43***	***0.16***	***5.18***	***0.86***
Onsite	**2023**						
	Fugitive Dust	0.00	0.00	0.00	0.00	4.53	0.49
	Off-Road	1.97	8.56	74.38	0.16	0.26	0.26
	Total	**1.97**	**8.56**	**74.38**	**0.16**	**4.80**	**0.75**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.15	0.06	0.00	0.02	0.01
	Worker	0.11	0.07	1.00	0.00	0.36	0.10
	Total	**0.11**	**0.22**	**1.06**	**0.00**	**0.39**	**0.11**
TOTAL		***2.09***	***8.77***	***75.43***	***0.16***	***5.18***	***0.86***

Site Preparation Soil Haul 2022		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Winter						
	Fugitive Dust					0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.19	7.91	2.17	0.03	0.85	0.27
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.19**	**7.91**	**2.17**	**0.03**	**0.85**	**0.27**
TOTAL		***0.19***	***7.91***	***2.17***	***0.03***	***0.87***	***0.28***
Onsite	**2022**						
	Fugitive Dust	0.00	0.00	0.00	0.00	0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.19	7.91	2.17	0.03	0.85	0.27
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.19**	**7.91**	**2.17**	**0.03**	**0.85**	**0.27**
TOTAL		***0.19***	***7.91***	***2.17***	***0.03***	***0.87***	***0.28***

Site Preparation Soil Haul 2023		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023 Winter**						
	Fugitive Dust					0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.10	6.07	2.02	0.03	0.83	0.26
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.10**	**6.07**	**2.02**	**0.03**	**0.83**	**0.26**
TOTAL		***0.10***	***6.07***	***2.02***	***0.03***	***0.85***	***0.26***
Onsite	**2023**						
	Fugitive Dust	0.00	0.00	0.00	0.00	0.02	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**
Offsite							
	Hauling	0.10	6.07	2.02	0.03	0.83	0.26
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0.10**	**6.07**	**2.02**	**0.03**	**0.83**	**0.26**
TOTAL		***0.10***	***6.07***	***2.02***	***0.03***	***0.85***	***0.26***

Retail and Residential Building A Building Construction 2023		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Winter						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.33	1.36	0.02	0.56	0.17
	Worker	2.80	1.80	25.89	0.08	9.43	2.55
	Total	**2.89**	**5.13**	**27.25**	**0.10**	**9.99**	**2.72**
TOTAL		***3.22***	***6.98***	***33.66***	***0.11***	***10.05***	***2.79***
Onsite	**2023**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.33	1.36	0.02	0.56	0.17
	Worker	2.80	1.80	25.89	0.08	9.43	2.55
	Total	**2.89**	**5.13**	**27.25**	**0.10**	**9.99**	**2.72**
TOTAL		***3.22***	***6.98***	***33.66***	***0.11***	***10.05***	***2.79***

Retail and Residential Building A Building Construction 2024							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024 Winter**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.32	1.35	0.02	0.56	0.17
	Worker	2.64	1.62	24.12	0.08	9.43	2.55
	Total	**2.73**	**4.94**	**25.47**	**0.10**	**9.99**	**2.72**
TOTAL		***3.06***	***6.78***	***31.88***	***0.11***	***10.05***	***2.79***
Onsite	**2024**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.32	1.35	0.02	0.56	0.17
	Worker	2.64	1.62	24.12	0.08	9.43	2.55
	Total	**2.73**	**4.94**	**25.47**	**0.10**	**9.99**	**2.72**
TOTAL		***3.06***	***6.78***	***31.88***	***0.11***	***10.05***	***2.79***

Retail and Residential Building A Building Construction 2025							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2025 Winter**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.31	1.35	0.02	0.56	0.17
	Worker	2.50	1.46	22.65	0.08	9.42	2.55
	Total	**2.59**	**4.77**	**24.00**	**0.09**	**9.98**	**2.72**
TOTAL		***2.92***	***6.62***	***30.41***	***0.10***	***10.05***	***2.79***
Onsite	**2025**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.31	1.35	0.02	0.56	0.17
	Worker	2.50	1.46	22.65	0.08	9.42	2.55
	Total	**2.59**	**4.77**	**24.00**	**0.09**	**9.98**	**2.72**
TOTAL		***2.92***	***6.62***	***30.41***	***0.10***	***10.05***	***2.79***

Retail Architectural Coating 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Winter						
	Archit. Coating	26.15				0.00	0.00
	Off-Road	0.06	0.26	3.66	0.01	0.01	0.01
	Total	**26.21**	**0.26**	**3.66**	**0.01**	**0.01**	**0.01**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.56	0.36	5.18	0.02	1.89	0.51
	Total	**0.56**	**0.36**	**5.18**	**0.02**	**1.89**	**0.51**
TOTAL		***26.77***	***0.62***	***8.84***	***0.02***	***1.89***	***0.52***
Onsite	**2023**						
	Archit. Coating	26.15	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.06	0.26	3.66	0.01	0.01	0.01
	Total	**26.21**	**0.26**	**3.66**	**0.01**	**0.01**	**0.01**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.56	0.36	5.18	0.02	1.89	0.51
	Total	**0.56**	**0.36**	**5.18**	**0.02**	**1.89**	**0.51**
TOTAL		***26.77***	***0.62***	***8.84***	***0.02***	***1.89***	***0.52***

Residential Building A Architectural Coating 2025

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2023** Winter						
	Archit. Coating		41.38				0.00	0.00
	Off-Road		0.06	0.26	3.66	0.01	0.01	0.01
	Total		**41.44**	**0.26**	**3.66**	**0.01**	**0.01**	**0.01**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.50	0.29	4.53	0.02	1.88	0.51
	Total		**0.50**	**0.29**	**4.53**	**0.02**	**1.88**	**0.51**
TOTAL			***41.94***	***0.55***	***8.20***	***0.02***	***1.89***	***0.52***
Onsite		**2023**						
	Archit. Coating		41.38	0.00	0.00	0.00	0.00	0.00
	Off-Road		0.06	0.26	3.66	0.01	0.01	0.01
	Total		**41.44**	**0.26**	**3.66**	**0.01**	**0.01**	**0.01**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.50	0.29	4.53	0.02	1.88	0.51
	Total		**0.50**	**0.29**	**4.53**	**0.02**	**1.88**	**0.51**
TOTAL			***41.94***	***0.55***	***8.20***	***0.02***	***1.89***	***0.52***

Paving

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2024** Winter						
	Off-Road		0.16	0.68	7.54	0.01	0.02	0.02
	Paving		3.87				0.00	0.00
	Total		**4.03**	**0.68**	**7.54**	**0.01**	**0.02**	**0.02**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.02	0.01	0.21	0.00	0.08	0.02
	Total		**0.02**	**0.01**	**0.21**	**0.00**	**0.08**	**0.02**
TOTAL			***4.05***	***0.69***	***7.75***	***0.01***	***0.10***	***0.04***
Onsite		**2024**						
	Off-Road		0.16	0.68	7.54	0.01	0.02	0.02
	Paving		3.87	0.00	0.00	0.00	0.00	0.00
	Total		**4.03**	**0.68**	**7.54**	**0.01**	**0.02**	**0.02**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.02	0.01	0.21	0.00	0.08	0.02
	Total		**0.02**	**0.01**	**0.21**	**0.00**	**0.08**	**0.02**
TOTAL			***4.05***	***0.69***	***7.75***	***0.01***	***0.10***	***0.04***

Finishing/Landscaping

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2024 Winter**						
	Off-Road		0.10	0.45	3.79	0.01	0.01	0.01
	Total		**0.10**	**0.45**	**3.79**	**0.01**	**0.01**	**0.01**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.01	0.01	0.08	0.00	0.03	0.01
	Total		**0.01**	**0.01**	**0.08**	**0.00**	**0.03**	**0.01**
TOTAL			***0.11***	***0.45***	***3.87***	***0.01***	***0.04***	***0.02***
Onsite		**2024**						
	Off-Road		0.10	0.45	3.79	0.01	0.01	0.01
	Total		**0.10**	**0.45**	**3.79**	**0.01**	**0.01**	**0.01**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.01	0.01	0.08	0.00	0.03	0.01
	Total		**0.01**	**0.01**	**0.08**	**0.00**	**0.03**	**0.01**
TOTAL			***0.11***	***0.45***	***3.87***	***0.01***	***0.04***	***0.02***

Residential Building B Building Construction 2026							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2026 Winter**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.84	0.75	0.01	0.31	0.10
	Worker	2.38	1.34	21.42	0.07	9.42	2.54
	Total	**2.42**	**3.18**	**22.18**	**0.08**	**9.74**	**2.64**
TOTAL		***2.76***	***5.02***	***28.59***	***0.10***	***9.80***	***2.71***
Onsite	**2026**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.84	0.75	0.01	0.31	0.10
	Worker	2.38	1.34	21.42	0.07	9.42	2.54
	Total	**2.42**	**3.18**	**22.18**	**0.08**	**9.74**	**2.64**
TOTAL		***2.76***	***5.02***	***28.59***	***0.10***	***9.80***	***2.71***

Residential Building B Building Construction 2027							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2027 Winter**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.83	0.75	0.01	0.31	0.10
	Worker	2.26	1.23	20.38	0.07	9.42	2.54
	Total	**2.31**	**3.06**	**21.13**	**0.08**	**9.73**	**2.64**
TOTAL		***2.64***	***4.91***	***27.54***	***0.09***	***9.80***	***2.70***
Onsite	**2027**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.83	0.75	0.01	0.31	0.10
	Worker	2.26	1.23	20.38	0.07	9.42	2.54
	Total	**2.31**	**3.06**	**21.13**	**0.08**	**9.73**	**2.64**
TOTAL		***2.64***	***4.91***	***27.54***	***0.09***	***9.80***	***2.70***

Residential Building B Building Construction 2028							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2028 Winter**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.81	0.75	0.01	0.31	0.10
	Worker	2.16	1.15	19.50	0.07	9.42	2.54
	Total	**2.20**	**2.96**	**20.25**	**0.08**	**9.73**	**2.64**
TOTAL		***2.53***	***4.81***	***26.66***	***0.09***	***9.79***	***2.70***
Onsite	**2028**						
	Off-Road	0.33	1.85	6.41	0.01	0.07	0.07
	Total	**0.33**	**1.85**	**6.41**	**0.01**	**0.07**	**0.07**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.81	0.75	0.01	0.31	0.10
	Worker	2.16	1.15	19.50	0.07	9.42	2.54
	Total	**2.20**	**2.96**	**20.25**	**0.08**	**9.73**	**2.64**
TOTAL		***2.53***	***4.81***	***26.66***	***0.09***	***9.79***	***2.70***

Residential Architectural Coating 2028							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2028** Winter						
	Archit. Coating	35.70				0.00	0.00
	Off-Road	0.06	0.26	3.66	0.01	0.01	0.01
	Total	**35.76**	**0.26**	**3.66**	**0.01**	**0.01**	**0.01**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.43	0.23	3.90	0.01	1.88	0.51
	Total	**0.43**	**0.23**	**3.90**	**0.01**	**1.88**	**0.51**
TOTAL		***36.19***	***0.49***	***7.57***	***0.02***	***1.89***	***0.52***
Onsite	**2028**						
	Archit. Coating	35.70	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.06	0.26	3.66	0.01	0.01	0.01
	Total	**35.76**	**0.26**	**3.66**	**0.01**	**0.01**	**0.01**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.43	0.23	3.90	0.01	1.88	0.51
	Total	**0.43**	**0.23**	**3.90**	**0.01**	**1.88**	**0.51**
TOTAL		***36.19***	***0.49***	***7.57***	***0.02***	***1.89***	***0.52***

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Building Demolition	***0***	***2***	***20***	***0***	***0***	***0***
Building and Asphalt Demolition	***1***	***2***	***22***	***0***	***0***	***0***
Building and Asphalt Demolition and Debris Haul	***1***	***11***	***25***	***0***	***5***	***1***
Site Preparation and Soil Haul 2022	***2***	***17***	***78***	***0***	***6***	***1***
Site Preparation and Soil Haul 2023	***2***	***15***	***77***	***0***	***6***	***1***
Site Preparation and Soil Haul 2023 and Retail and Residential Building A Building Construction 2023	***5***	***22***	***111***	***0***	***16***	***4***
Retail and Residential Building A Building Construction 2023	***3***	***7***	***34***	***0***	***10***	***3***
Retail and Residential Building A Building Construction 2023 and Retail Architectural Coating	***30***	***8***	***43***	***0***	***12***	***3***
Retail and Residential Building A Building Construction 2024	***3***	***7***	***32***	***0***	***10***	***3***
Retail and Residential Building A Building Construction 2024, Paving, and Finishing/Landscaping	***7***	***8***	***43***	***0***	***10***	***3***
Retail and Residential Building A Building Construction 2024 and Finishing/Landscaping	***3***	***7***	***36***	***0***	***10***	***3***
Retail and Residential Building A Building Construction 2025	***3***	***7***	***30***	***0***	***10***	***3***
Retail and Residential Building A Building Construction 2025 and Residential Building A Architectural Coating	***45***	***7***	***39***	***0***	***12***	***3***
Residential Building B Building Construction 2026	***3***	***5***	***29***	***0***	***10***	***3***
Residential Building B Building Construction 2027	***3***	***5***	***28***	***0***	***10***	***3***
Residential Building B Building Construction 2028	***3***	***5***	***27***	***0***	***10***	***3***
Residential Building B Building Construction 2028 and Residential Building B Architectural Coating	***39***	***5***	***34***	***0***	***12***	***3***
MAX DAILY	**45**	**22**	**111**	**0**	**16**	**4**
Regional Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	No	No	No	No	No

Construction LST Worksheet (Option 1):

Building Demolition						
			NOx	CO	PM10 Total	PM2.5 Total
TOTAL			***0.00***	***0.00***	***0.00***	***0.00***
Onsite		**2022**				
	Off-Road		11.31	12.77	0.46	0.45
	Total		**11.31**	**12.77**	**0.46**	**0.45**
TOTAL			***11.31***	***12.77***	***0.46***	***0.45***
Onsite		**2022**				
	Off-Road		11.31	12.77	0.46	0.45
	Total		**11.31**	**12.77**	**0.46**	**0.45**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***11.31***	***12.77***	***0.46***	***0.45***

Building Demolition Haul						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2022**				
	Fugitive Dust				2.44	0.37
	Off-Road		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**2.44**	**0.37**
TOTAL			***0.00***	***0.00***	***2.44***	***0.37***
Onsite		**2022**				
	Fugitive Dust		0.00	0.00	2.44	0.37
	Off-Road		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**2.44**	**0.37**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***0.00***	***0.00***	***2.44***	***0.37***

Asphalt Demolition						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2022**				
	Off-Road		1.68	2.24	0.09	0.08
	Total		**1.68**	**2.24**	**0.09**	**0.08**
TOTAL			***1.68***	***2.24***	***0.09***	***0.08***
Onsite		**2022**				
	Off-Road		1.68	2.24	0.09	0.08
	Total		**1.68**	**2.24**	**0.09**	**0.08**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***1.68***	***2.24***	***0.09***	***0.08***

Asphalt Demolition Haul					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
Fugitive Dust				1.73	0.26
Off-Road		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**1.73**	**0.26**
TOTAL		***0.00***	***0.00***	***1.73***	***0.26***
Onsite	**2022**				
Fugitive Dust		0.00	0.00	1.73	0.26
Off-Road		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**1.73**	**0.26**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***1.73***	***0.26***

Site Preparation 2022					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
Fugitive Dust				4.53	0.49
Off-Road		101.36	64.08	3.81	3.51
Total		**101.36**	**64.08**	**8.35**	**4.00**
TOTAL		***101.36***	***64.08***	***8.35***	***4.00***
Onsite	**2022**				
Fugitive Dust		0.00	0.00	4.53	0.49
Off-Road		101.36	64.08	3.81	3.51
Total		**101.36**	**64.08**	**8.35**	**4.00**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***101.36***	***64.08***	***8.35***	***4.00***

Site Preparation 2023					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
Fugitive Dust				4.53	0.49
Off-Road		92.74	62.01	3.51	3.23
Total		**92.74**	**62.01**	**8.04**	**3.72**
TOTAL		***92.74***	***62.01***	***8.04***	***3.72***
Onsite	**2023**				
Fugitive Dust		0.00	0.00	4.53	0.49
Off-Road		92.74	62.01	3.51	3.23
Total		**92.74**	**62.01**	**8.04**	**3.72**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***92.74***	***62.01***	***8.04***	***3.72***

Site Preparation Soil Haul 2022					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
Fugitive Dust				0.02	0.00
Off-Road		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.02**	**0.00**
TOTAL		***0.00***	***0.00***	***0.02***	***0.00***
Onsite	**2022**				
Fugitive Dust		0.00	0.00	0.02	0.00
Off-Road		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.02**	**0.00**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.02***	***0.00***

Site Preparation Soil Haul 2023					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
Fugitive Dust				0.02	0.00
Off-Road		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.02**	**0.00**
TOTAL		***0.00***	***0.00***	***0.02***	***0.00***
Onsite	**2023**				
Fugitive Dust		0.00	0.00	0.02	0.00
Off-Road		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.02**	**0.00**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.02***	***0.00***

Retail and Residential Building A Building Construction 2023					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
Off-Road		6.67	6.01	0.28	0.26
Total		**6.67**	**6.01**	**0.28**	**0.26**
TOTAL		***6.67***	***6.01***	***0.28***	***0.26***
Onsite	**2023**				
Off-Road		6.67	6.01	0.28	0.26
Total		**6.67**	**6.01**	**0.28**	**0.26**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***6.67***	***6.01***	***0.28***	***0.26***

Retail and Residential Building A Building Construction 2024					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
Off-Road		6.39	5.89	0.26	0.24
Total		**6.39**	**5.89**	**0.26**	**0.24**
TOTAL		***6.39***	***5.89***	***0.26***	***0.24***
Onsite	**2024**				
Off-Road		6.39	5.89	0.26	0.24
Total		**6.39**	**5.89**	**0.26**	**0.24**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***6.39***	***5.89***	***0.26***	***0.24***

Retail and Residential Building A Building Construction 2025					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2025**				
Off-Road		5.92	5.74	0.24	0.22
Total		**5.92**	**5.74**	**0.24**	**0.22**
TOTAL		***5.92***	***5.74***	***0.24***	***0.22***
Onsite	**2025**				
Off-Road		5.92	5.74	0.24	0.22
Total		**5.92**	**5.74**	**0.24**	**0.22**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***5.92***	***5.74***	***0.24***	***0.22***

Retail Architectural Coating 2023					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
Archit. Coating				0.00	0.00
Off-Road		2.61	3.62	0.14	0.14
Total		**2.61**	**3.62**	**0.14**	**0.14**
TOTAL		***2.61***	***3.62***	***0.14***	***0.14***
Onsite	**2023**				
Archit. Coating		0.00	0.00	0.00	0.00
Off-Road		2.61	3.62	0.14	0.14
Total		**2.61**	**3.62**	**0.14**	**0.14**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***2.61***	***3.62***	***0.14***	***0.14***

Finishing/Landscaping					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
Off-Road		5.29	2.11	0.17	0.16
Total		**5.29**	**2.11**	**0.17**	**0.16**
TOTAL		***5.29***	***2.11***	***0.17***	***0.16***
Onsite	**2024**				
Off-Road		5.29	2.11	0.17	0.16
Total		**5.29**	**2.11**	**0.17**	**0.16**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***5.29***	***2.11***	***0.17***	***0.16***

Paving					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
Off-Road		4.96	5.63	0.21	0.19
Paving				0.00	0.00
Total		**4.96**	**5.63**	**0.21**	**0.19**
TOTAL		***4.96***	***5.63***	***0.21***	***0.19***
Onsite	**2024**				
Off-Road		4.96	5.63	0.21	0.19
Paving		0.00	0.00	0.00	0.00
Total		**4.96**	**5.63**	**0.21**	**0.19**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***4.96***	***5.63***	***0.21***	***0.19***

Residential Architectural Coating 2025					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2025**				
Archit. Coating				0.00	0.00
Off-Road		2.29	3.62	0.10	0.10
Total		**2.29**	**3.62**	**0.10**	**0.10**
TOTAL		***2.29***	***3.62***	***0.10***	***0.10***
Onsite	**2025**				
Archit. Coating		0.00	0.00	0.00	0.00
Off-Road		2.29	3.62	0.10	0.10
Total		**2.29**	**3.62**	**0.10**	**0.10**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***2.29***	***3.62***	***0.10***	***0.10***

	NOx	CO	PM10 Total	PM2.5 Total
Building Demolition	*11*	*13*	*0.46*	*0.45*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Building and Asphalt Demolition	*13*	*15*	*0.55*	*0.53*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Building and Asphalt Demolition and Debris Haul	*13*	*15*	*4.72*	*1.16*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Site Preparation and Soil Haul 2022	*101*	*64*	*8.36*	*4.00*
5.00 Acre LST	*221*	*1,311*	*68.62*	*27.85*
Exceeds LST?	*no*	*no*	*no*	*no*
Site Preparation and Soil Haul 2023	*93*	*62*	*8.06*	*3.72*
5.00 Acre LST	*221*	*1,311*	*68.62*	*27.85*
Exceeds LST?	*no*	*no*	*no*	*no*
Site Preparation and Soil Haul 2023 and Retail and Residential Building A Building Construction 2023	*99*	*68*	*8.34*	*3.98*
5.00 Acre LST	*221*	*1,311*	*68.62*	*27.85*
Exceeds LST?	*no*	*no*	*no*	*no*
Retail and Residential Building A Building Construction 2023	*7*	*6*	*0.28*	*0.26*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Retail and Residential Building A Building Construction 2023 and Retail Architectural Coating	*9*	*10*	*0.42*	*0.40*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Retail and Residential Building A Building Construction 2024	*6*	*6*	*0.26*	*0.24*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Retail and Residential Building A Building Construction 2024, Paving, and Finishing/Landscaping	*17*	*14*	*0.64*	*0.60*
1.50 Acre LST	*125*	*642*	*47.12*	*18.12*
Exceeds LST?	*no*	*no*	*no*	*no*

Retail and Residential Building A Building Construction 2024 and Finishing/Landscaping	*12*	*8*	*0.43*	*0.40*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Retail and Residential Building A Building Construction 2025	*6*	*6*	*0.24*	*0.22*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Retail and Residential Building A Building Construction 2025 Residential Architectural Coating	*8*	*9*	*0.34*	*0.32*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*

Construction LST Worksheet (Option 2):

Building Demolition					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
Off-Road		11.31	12.77	0.46	0.45
Total		**11.31**	**12.77**	**0.46**	**0.45**
Onsite	**2022**				
Off-Road		11.31	12.77	0.46	0.45
Total		**11.31**	**12.77**	**0.46**	**0.45**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***11.31***	***12.77***	***0.46***	***0.45***

Building Demolition Haul					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
Fugitive Dust				2.44	0.37
Off-Road		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**2.44**	**0.37**
Onsite	**2022**				
Fugitive Dust		0.00	0.00	2.44	0.37
Off-Road		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**2.44**	**0.37**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***2.44***	***0.37***

Asphalt Demolition					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
Off-Road		1.68	2.24	0.09	0.08
Total		**1.68**	**2.24**	**0.09**	**0.08**
TOTAL		***1.68***	***2.24***	***0.09***	***0.08***
Onsite	**2022**				
Off-Road		1.68	2.24	0.09	0.08
Total		**1.68**	**2.24**	**0.09**	**0.08**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***1.68***	***2.24***	***0.09***	***0.08***

Asphalt Demolition Haul					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
Fugitive Dust				1.73	0.26
Off-Road		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**1.73**	**0.26**
TOTAL		***0.00***	***0.00***	***1.73***	***0.26***
Onsite	**2022**				
Fugitive Dust		0.00	0.00	1.73	0.26
Off-Road		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**1.73**	**0.26**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***1.73***	***0.26***

Site Preparation 2022					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
Fugitive Dust				4.53	0.49
Off-Road		101.36	64.08	3.81	3.51
Total		**101.36**	**64.08**	**8.35**	**4.00**
TOTAL		***101.36***	***64.08***	***8.35***	***4.00***
Onsite	**2022**				
Fugitive Dust		0.00	0.00	4.53	0.49
Off-Road		101.36	64.08	3.81	3.51
Total		**101.36**	**64.08**	**8.35**	**4.00**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***101.36***	***64.08***	***8.35***	***4.00***

Site Preparation 2023					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
Fugitive Dust				4.53	0.49
Off-Road		92.74	62.01	3.51	3.23
Total		**92.74**	**62.01**	**8.04**	**3.72**
TOTAL		***92.74***	***62.01***	***8.04***	***3.72***
Onsite	**2023**				
Fugitive Dust		0.00	0.00	4.53	0.49
Off-Road		92.74	62.01	3.51	3.23
Total		**92.74**	**62.01**	**8.04**	**3.72**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***92.74***	***62.01***	***8.04***	***3.72***

Site Preparation Soil Haul 2022					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
Fugitive Dust				0.02	0.00
Off-Road		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.02**	**0.00**
TOTAL		***0.00***	***0.00***	***0.02***	***0.00***
Onsite	**2022**				
Fugitive Dust		0.00	0.00	0.02	0.00
Off-Road		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.02**	**0.00**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.02***	***0.00***

Site Preparation Soil Haul 2023					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
Fugitive Dust				0.02	0.00
Off-Road		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.02**	**0.00**
TOTAL		***0.00***	***0.00***	***0.02***	***0.00***
Onsite	**2023**				
Fugitive Dust		0.00	0.00	0.02	0.00
Off-Road		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.02**	**0.00**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***0.00***	***0.00***	***0.02***	***0.00***

Retail and Residential Building A Building Construction 2023					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
Off-Road		6.67	6.01	0.28	0.26
Total		**6.67**	**6.01**	**0.28**	**0.26**
TOTAL		***6.67***	***6.01***	***0.28***	***0.26***
Onsite	**2023**				
Off-Road		6.67	6.01	0.28	0.26
Total		**6.67**	**6.01**	**0.28**	**0.26**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***6.67***	***6.01***	***0.28***	***0.26***

Retail and Residential Building A Building Construction 2024					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
Off-Road		6.39	5.89	0.26	0.24
Total		**6.39**	**5.89**	**0.26**	**0.24**
TOTAL		***6.39***	***5.89***	***0.26***	***0.24***
Onsite	**2024**				
Off-Road		6.39	5.89	0.26	0.24
Total		**6.39**	**5.89**	**0.26**	**0.24**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***6.39***	***5.89***	***0.26***	***0.24***

Retail and Residential Building A Building Construction 2025					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2025**				
Off-Road		5.92	5.74	0.24	0.22
Total		**5.92**	**5.74**	**0.24**	**0.22**
TOTAL		***5.92***	***5.74***	***0.24***	***0.22***
Onsite	**2025**				
Off-Road		5.92	5.74	0.24	0.22
Total		**5.92**	**5.74**	**0.24**	**0.22**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***5.92***	***5.74***	***0.24***	***0.22***

Retail Architectural Coating 2023					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
Archit. Coating				0.00	0.00
Off-Road		2.61	3.62	0.14	0.14
Total		**2.61**	**3.62**	**0.14**	**0.14**
TOTAL		***2.61***	***3.62***	***0.14***	***0.14***
Onsite	**2023**				
Archit. Coating		0.00	0.00	0.00	0.00
Off-Road		2.61	3.62	0.14	0.14
Total		**2.61**	**3.62**	**0.14**	**0.14**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***2.61***	***3.62***	***0.14***	***0.14***

Residential Building A Architectural Coating 2025					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
Archit. Coating				0.00	0.00
Off-Road		2.29	3.62	0.10	0.10
Total		**2.29**	**3.62**	**0.10**	**0.10**
TOTAL		***2.29***	***3.62***	***0.10***	***0.10***
Onsite	**2023**				
Archit. Coating		0.00	0.00	0.00	0.00
Off-Road		2.29	3.62	0.10	0.10
Total		**2.29**	**3.62**	**0.10**	**0.10**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***2.29***	***3.62***	***0.10***	***0.10***

Paving					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
Off-Road		4.96	5.63	0.21	0.19
Paving				0.00	0.00
Total		**4.96**	**5.63**	**0.21**	**0.19**
TOTAL		***4.96***	***5.63***	***0.21***	***0.19***
Onsite	**2024**				
Off-Road		4.96	5.63	0.21	0.19
Paving		0.00	0.00	0.00	0.00
Total		**4.96**	**5.63**	**0.21**	**0.19**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***4.96***	***5.63***	***0.21***	***0.19***

Finishing/Landscaping					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
Off-Road		5.29	2.11	0.17	0.16
Total		**5.29**	**2.11**	**0.17**	**0.16**
TOTAL		***5.29***	***2.11***	***0.17***	***0.16***
Onsite	**2024**				
Off-Road		5.29	2.11	0.17	0.16
Total		**5.29**	**2.11**	**0.17**	**0.16**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***5.29***	***2.11***	***0.17***	***0.16***

Residential Building B Building Construction 2026					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2026**				
Off-Road		5.92	5.74	0.24	0.22
Total		**5.92**	**5.74**	**0.24**	**0.22**
TOTAL		***5.92***	***5.74***	***0.24***	***0.22***
Onsite	**2026**				
Off-Road		5.92	5.74	0.24	0.22
Total		**5.92**	**5.74**	**0.24**	**0.22**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***5.92***	***5.74***	***0.24***	***0.22***

Residential Building B Building Construction 2027					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2027**				
Off-Road		5.92	5.74	0.24	0.22
Total		**5.92**	**5.74**	**0.24**	**0.22**
TOTAL		***5.92***	***5.74***	***0.24***	***0.22***
Onsite	**2027**				
Off-Road		5.92	5.74	0.24	0.22
Total		**5.92**	**5.74**	**0.24**	**0.22**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***5.92***	***5.74***	***0.24***	***0.22***

Residential Building B Building Construction 2028					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2028**				
Off-Road		5.92	5.74	0.24	0.22
Total		**5.92**	**5.74**	**0.24**	**0.22**
TOTAL		***5.92***	***5.74***	***0.24***	***0.22***
Onsite	**2028**				
Off-Road		5.92	5.74	0.24	0.22
Total		**5.92**	**5.74**	**0.24**	**0.22**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***5.92***	***5.74***	***0.24***	***0.22***

Residential Architectural Coating 2028					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2028**				
Archit. Coating				0.00	0.00
Off-Road		2.29	3.62	0.10	0.10
Total		**2.29**	**3.62**	**0.10**	**0.10**
TOTAL		***2.29***	***3.62***	***0.10***	***0.10***
Onsite	**2028**				
Archit. Coating		0.00	0.00	0.00	0.00
Off-Road		2.29	3.62	0.10	0.10
Total		**2.29**	**3.62**	**0.10**	**0.10**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***2.29***	***3.62***	***0.10***	***0.10***
		NOx	**CO**	**PM10 Total**	**PM2.5 Total**
Building Demolition		***11***	***13***	***0.46***	***0.45***
≤1.00 Acre LST		***103***	***522***	***43.62***	***16.44***
Exceeds LST?		***no***	***no***	***no***	***no***
Building and Asphalt Demolition		***13***	***15***	***0.55***	***0.53***
≤1.00 Acre LST		***103***	***522***	***43.62***	***16.44***
Exceeds LST?		***no***	***no***	***no***	***no***
Building and Asphalt Demolition and Debris Haul		***13***	***15***	***4.72***	***1.16***
≤1.00 Acre LST		***103***	***522***	***43.62***	***16.44***
Exceeds LST?		***no***	***no***	***no***	***no***
Site Preparation and Soil Haul 2022		***101***	***64***	***8.36***	***4.00***
5.00 Acre LST		***221***	***1,311***	***68.62***	***27.85***
Exceeds LST?		***no***	***no***	***no***	***no***
Site Preparation and Soil Haul 2023		***93***	***62***	***8.06***	***3.72***
5.00 Acre LST		***221***	***1,311***	***68.62***	***27.85***
Exceeds LST?		***no***	***no***	***no***	***no***
Site Preparation and Soil Haul 2023 and Retail and Residential Building A Building Construction 2023		***99***	***68***	***8.34***	***3.98***
5.00 Acre LST		***221***	***1,311***	***68.62***	***27.85***
Exceeds LST?		***no***	***no***	***no***	***no***
Retail and Residential Building A Building Construction 2023		***7***	***6***	***0.28***	***0.26***
≤1.00 Acre LST		***103***	***522***	***43.62***	***16.44***
Exceeds LST?		***no***	***no***	***no***	***no***

Retail and Residential Building A Building Construction 2023 and Retail Architectural Coating	*9*	*10*	*0.42*	*0.40*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Retail and Residential Building A Building Construction 2024	*6*	*6*	*0.26*	*0.24*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Retail and Residential Building A Building Construction 2024, Paving, and Finishing/Landscaping	*17*	*14*	*0.64*	*0.60*
1.50 Acre LST	*125*	*642*	*47.12*	*18.12*
Exceeds LST?	*no*	*no*	*no*	*no*
Retail and Residential Building A Building Construction 2024 and Finishing/Landscaping	*12*	*8*	*0.43*	*0.40*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Retail and Residential Building A Building Construction 2025	*6*	*6*	*0.24*	*0.22*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Retail and Residential Building A Building Construction 2025 and Residential Building A Architectural Coating	*9*	*9*	*0.38*	*0.36*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Residential Building B Building Construction 2026	*6*	*6*	*0.24*	*0.22*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Residential Building B Building Construction 2027	*6*	*6*	*0.24*	*0.22*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Residential Building B Building Construction 2028	*6*	*6*	*0.24*	*0.22*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*
Residential Building B Building Construction 2028 and Residential Building B Architectural Coating	*8*	*9*	*0.34*	*0.32*
≤1.00 Acre LST	*103*	*522*	*43.62*	*16.44*
Exceeds LST?	*no*	*no*	*no*	*no*

Regional Operation Emissions Worksheet[1]

[1] CalEEMod, Version 2020.4

Existing Conditions (2019)

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	30.17	0.00	0.46	0.00	0.00	0.00
Energy	0.08	0.73	0.61	0.00	0.06	0.06
Mobile	132.88	181.80	1,416.84	3.03	287.35	78.76
Total	**163.13**	**182.54**	**1,417.92**	**3.04**	**287.40**	**78.82**

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	30.17	0.00	0.46	0.00	0.00	0.00
Energy	0.08	0.73	0.61	0.00	0.06	0.06
Mobile	132.63	194.43	1,383.55	2.91	287.35	78.77
Total	**162.89**	**195.16**	**1,384.63**	**2.92**	**287.41**	**78.82**

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	30	0	0	0	0	0
Energy	0	1	1	0	0	0
Mobile	133	194	1,417	3	287	79
Total	**163**	**195**	**1,418**	**3**	**287**	**79**

Baseline Conditions (2026)

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	30.17	0.00	0.46	0.00	0.00	0.00
Energy	0.08	0.73	0.61	0.00	0.06	0.06
Mobile	100.69	98.43	1,011.79	2.44	285.66	77.21
Total	**130.94**	**99.17**	**1,012.86**	**2.44**	**285.72**	**77.27**

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	30.17	0.00	0.46	0.00	0.00	0.00
Energy	0.08	0.73	0.61	0.00	0.06	0.06
Mobile	99.92	105.66	1,001.84	2.34	285.66	77.21
Total	**130.18**	**106.39**	**1,002.91**	**2.35**	**285.72**	**77.27**

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	30	0	0	0	0	0
Energy	0	1	1	0	0	0
Mobile	101	106	1,012	2	286	77
Total	**131**	**106**	**1,013**	**2**	**286**	**77**

Option 1

Proposed Project

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	42.33	0.37	32.63	0.00	0.18	0.18
Energy	0.28	2.51	1.65	0.02	0.20	0.20
Mobile	111.51	111.25	1,127.75	2.71	308.51	83.43
Total	**154.13**	**114.14**	**1,162.04**	**2.73**	**308.89**	**83.81**

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	42.33	0.37	32.63	0.00	0.18	0.18
Energy	0.28	2.51	1.65	0.02	0.20	0.20
Mobile	110.74	119.44	1,115.26	2.61	308.52	83.43
Total	**153.36**	**122.33**	**1,149.54**	**2.63**	**308.89**	**83.81**

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	42	0	33	0	0	0
Energy	0	3	2	0	0	0
Mobile	112	119	1,128	3	309	83
Total	**154**	**122**	**1,162**	**3**	**309**	**84**

Proposed Net Operations

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	12.16	0.37	32.18	0.00	0.18	0.18
Energy	0.20	1.78	1.04	0.01	0.14	0.14
Mobile	10.83	12.82	115.97	0.28	22.85	6.22
Total	**23.19**	**14.97**	**149.18**	**0.29**	**23.17**	**6.54**

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	12.16	0.37	32.18	0.00	0.18	0.18
Energy	0.20	1.78	1.04	0.01	0.14	0.14
Mobile	10.82	13.79	113.42	0.27	22.85	6.22
Total	**23.18**	**15.94**	**146.64**	**0.28**	**23.17**	**6.54**

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	12	0	32	0	0	0
Energy	0	2	1	0	0	0
Mobile	11	14	116	0	23	6
Total	**23**	**16**	**149**	**0**	**23**	**7**
Regional Thresholds (lb/day)	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	No	No	No	No	No

Option 2

Proposed Project

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	46.91	0.64	55.70	0.00	0.31	0.31
Energy	0.30	2.59	1.39	0.02	0.21	0.21
Mobile	95.78	90.75	959.50	2.31	285.56	77.09
Total	**142.99**	**93.97**	**1,016.59**	**2.33**	**286.07**	**77.60**

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	46.91	0.64	55.70	0.00	0.31	0.31
Energy	0.30	2.59	1.39	0.02	0.21	0.21
Mobile	94.95	97.39	951.53	2.22	285.56	77.09
Total	**142.16**	**100.62**	**1,008.62**	**2.24**	**286.07**	**77.60**

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	47	1	56	0	0	0
Energy	0	3	1	0	0	0
Mobile	96	97	960	2	286	77
Total	**143**	**101**	**1,017**	**2**	**286**	**78**

Proposed Net Operations

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	16.74	0.64	55.24	0.00	0.31	0.31
Energy	0.22	1.85	0.78	0.01	0.15	0.15
Mobile	-4.91	-7.68	-52.28	-0.13	-0.11	-0.13
Total	**12.05**	**-5.19**	**3.73**	**-0.11**	**0.35**	**0.33**

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	16.74	0.64	55.24	0.00	0.31	0.31
Energy	0.22	1.85	0.78	0.01	0.15	0.15
Mobile	-4.97	-8.26	-50.31	-0.12	-0.11	-0.13
Total	**11.99**	**-5.77**	**5.71**	**-0.11**	**0.35**	**0.33**

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	16.74	0.64	55.24	0.00	0.31	0.31
Energy	0.22	1.85	0.78	0.01	0.15	0.15
Mobile	-4.91	-7.68	-50.31	-0.12	-0.11	-0.13
Total	**12.05**	**-5.19**	**5.71**	**-0.11**	**0.35**	**0.33**
Regional Thresholds (lb/day)	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	No	No	No	No	No

GHG Emissions Inventory

Proposed Project Buildout

Construction

Option 1

	$MTCO_2e$
2022	756
2023	974
2024	731
2025	546
Total Construction	**3,008**
30-Year Amortization[1]	**100**

Option 2

	$MTCO_2e$
2022	756
2023	1,585
2024	1,345
2025	1,029
2026	1,067
2027	1,138
2028	327
Total Construction	**7,247**
30-Year Amortization[1]	**242**

*CalEEMod, Version 2016.3.2.25

Operation*

Proposed Project

Option 1

	Existing Conditions (2019) $MTCO_2e$	Percent of Emissions	Proposed Project $MTCO_2e$	Percent of Emissions	Net Change
Area	0	0.0%	7	0.0%	7
Energy	5,841	13%	6,148	14%	307
Mobile	39,806	85%	37,196	83%	-2,610
Solid Waste	682	1%	1,112	2%	430
Water	294	1%	410	1%	116
30-Yr Amortized Construction Emissions[1]	NA	NA	100	0%	100
Total	**46,623**	100%	**44,972**	100%	**-1,650**

South Coast AQMD Working Group Threshold	3,000	$MTCO_2e$/Year
Exceed Threshold?	**No**	

Option 2

	Existing Conditions (2019) $MTCO_2e$	Percent of Emissions	Proposed Project $MTCO_2e$	Percent of Emissions	Net Change
Area	0	0.0%	12	0.0%	12
Energy	5,841	13%	6,703	15%	862
Mobile	39,806	85%	31,612	70%	-8,194
Solid Waste	682	1%	810	2%	128
Water	294	1%	400	1%	107
30-Yr Amortized Construction Emissions[1]	NA	NA	242	1%	242
Total	**46,623**	100%	**39,778**	100%	**-6,845**

South Coast AQMD Working Group Threshold	3,000	$MTCO_2e$/Year
Exceed Threshold?	**No**	

*CalEEMod, Version 2020.4

** $MTCO_2e$=metric tons of carbon dioxide equivalent.

*** Total construction emissions are amortized over 30 years per SCAQMD methodology; SCAQMD. 2009, November 19. Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group Meeting 14. http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-14/ghg-meeting-14-main-presentation.pdf?sfvrsn=2.

Assumptions Worksheet

CalEEMod Inputs - Construction Run

Name:	Brea Mall Mixed-Use Project (Option 1)
Project Number:	BREA-03.3
Project Location:	1065 Brea Mall, Brea, CA 92821
County/Air Basin:	Orange County
Climate Zone:	8
Land Use Setting:	Urban
Operational Year:	2025
Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	SCAQMD
SRA:	16

Proiect Site Acreage	74
Disturbed Site Acreage	17.50

Project Components				
Demolition	***SQFT***	***Tons***	***Acres***	
Sears	161,990	1,600		
Asphalt	326,700	20	7.50	
ROW, hardscape, landscape	148,540	**1,114**	3.41	
New Construction	***SQFT***	***Stories***	***Acres***	
Residential				**Units**
Apartments	436,500	5	0.00	**390**
Retail				
Fitness Center	128,000	3	0.98	
Mall	69,415	2	0.80	
Sporting Goods[2]	50,000	1	0.00	
TOTAL RETAIL	247,415			
Commercial Space Net Change	85,425			
Parking	***SQFT***	***Stories***	***Acres***	**Stalls**
Retail Surface Parking	129,809	NA	2.98	
Residential Structure Parking	476,800	2	5.47	**1080**
Driveways	192,000	NA	4.41	
Landscaping/Hardscape	124,717	NA	2.86	
			17.50	
Total New Construction	**1,160,715**		**17.50**	

[2] *Sporting goods store would be built on top of ground floor mall shops*

CalEEMod Inputs						
Land Use	**Land Use Type**	**Land Use Subtype**	**Unit Amount**	**Size Metric**	**Lot Acreage**	**Building Square Feet**
Apartments	Residential	Apartments (Mid-Rise)	390	Units	0.00	436,500
Mall Shops + Sporting Goods	Retail	Regional Shopping Center	119.415	1000sf	0.80	119,415
Fitness Center	Recreational	Health Club	128.000	1000sf	0.98	128,000
Retail + Residential Parking Structures	Parking	Enclosed Parking Structure	476.800	1000sf	5.47	476,800
Parking Lots	Parking	Parking Lot	129.809	1000sf	2.98	129,809
Driveways	Parking	Other Asphalt Surfaces	192.000	1000sf	4.41	192,000
Landscape and Hardscape	Parking	Other Non-Asphalt Surfaces	124.717	1000sf	2.86	124,717
Total					17.50	

Demolition

Component	**Amount to be Demolished (Tons)**	**Haul Truck Capacity (tons)**	**Haul Distance (miles)**	**Total Trip Ends**	**Duration (days)**	**Trip Ends/day**
Building Demo[1] (Trash)	1,320	22	20	120	107	2
Building Demo[1] (Metal)	280	14	20	40	107	1
Total Building Demo	1,600			160		
Asphalt Demo[1,2]	1,134	14	20	163	5	33

[1] *Based on tonnage, truck capacity, and duration provided by the applicant by demolition type.*

[2] *includes the ROW, hardscape, and landscape demolition tonnage based on CalEEMod defaults*

Soil Haul [1]

Construction Activities	**Export Volume (CY)1**	**Haul Truck Capacity (cy)[2]**	**Haul Distance (miles)2**	**Total Trip Ends**	**Duration (days)**	**Trip Ends/day**
Site Preparation Soil Haul 2022	25,416	16	20	3,178	65	49
Site Preparation Soil Haul 2023	12,904	16	20	1,613	33	49
TOTAL	**38,320**			**4,791**		

[1] *Based on data provided by the applicant*

[2] *CalEEMod Default*

Architectural Coating

Percentage of Buildings' Interior Painted:	100%
Percentage of Buildings' Exterior Painted:	100%

SCAQMD Rule 1113

Non-Res Interior Paint VOC content:	100	grams per liter	*Res Interior Paint VOC content:*	50	grams per liter
Non-Res Exterior Paint VOC content:	100	grams per liter	*Res Exterior Paint VOC content:*	50	grams per liter

Land Use	Land Use SQFT	CalEEMod Factor[2]	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
Residential					
Residential	436,500	2.7	1,178,550	**883,913**	**294,638**
Non-Residential					
Shopping Center	119,415	2	238,830	179,123	59,708
Fitness Center	128,000	2	256,000	192,000	64,000
				371,123	**123,708**
Asphalt Surfaces					
Parking Lot	129,809	6%	7,789	-	7,789
Parking Structures	476,800	6%	28,608	-	28,608
Driveways	192,000	6%	11,520	-	11,520
					47,917

[1] *CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.*

[2] *The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user. Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.*

[3] *We assume 100% of the interior and exterior of buildings to be modernized will be painted*

Construction Mitigation

				Enhanced Fugitive Dust Mitigation		
SCAQMD Rule 403						
Replace Ground Cover	PM10:	5	% Reduction			
	PM25:	5	% Reduction			
Water Exposed Area	Frequency:	2	per day	Frequency:	3	per day
	PM10:	55	% Reduction	PM10:	61	% Reduction
	PM25:	55	% Reduction	PM25:	61	% Reduction
Unpaved Roads	Vehicle Speed:	15	mph			
SCAQMD Rule 1186						
	Clean Paved Road	9	% PM Reduction			

Southern California Edison Carbon Intensity Factors

CO2:[1,2]	509.98	pounds per megawatt hour
CH4:[3]	0.033	pound per megawatt hour
N2O:[3]	0.004	pound per megawatt hour

[1] Based on CO2e intensity factor of 512 pounds per megawatt hour; Southern California Edison. 2021. 2020 Sustainability Report.

[2] Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC). 2007. Fourth Assessment Report: Climate Change 2007.

[3] CalEEMod default values.

Global Warming Potentials (GWP)		
	AR4	**AR5**
CO_2	1	1
CH_4	25	28
N_2O	298	265

Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC).

CalEEMod Inputs - Construction Run

Name:	Brea Mall Mixed-Use Project (Option 2)
Project Number:	BREA-03.3
Project Location:	1065 Brea Mall, Brea, CA 92821
County/Air Basin:	Orange County
Climate Zone:	8
Land Use Setting:	Urban
Operational Year:	2028
Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	SCAQMD
SRA:	16

Proiect Site Acreage	74
Disturbed Site Acreage	17.50

Project Components				
Demolition	***SQFT***	***Tons***	***Acres***	
Sears	161,990	1,600		
Asphalt	326,700	20	7.50	
ROW, hardscape, landscape	148,540	**1,114**	3.41	
New Construction	***SQFT***	***Stories***	***Acres***	
Residential				**Units**
Apartments	750,300	5	0.00	**670**
Retail				
Mall	69,415	2	0.80	
Sporting Goods[1]	50,000	1	0.00	
TOTAL RETAIL	119,415			
Commercial Space Net Change	-42,575			
Parking	***SQFT***	***Stories***	***Acres***	
Retail Surface Parking	129,809	NA	2.98	
Residential Structure Parking	398,500	2	4.57	
Driveways	192,000	NA	4.41	
Landscaping/Hardscape	206,534	NA	4.74	
			17.50	
Total New Construction	**1,268,215**		**17.50**	

[1] *Sporting goods store would be built on top of ground floor mall shops*

CalEEMod Inputs - Mall, Fitness, Sporting Goods, and Parking Construction						
Land Use	**Land Use Type**	**Land Use Subtype**	**Unit Amount**	**Size Metric**	**Lot Acreage**	**Building Square Feet**
Apartments	Residential	Apartments (Mid-Rise)	670	Units	0.00	750,300
Mall Shops + Sporting Goods	Retail	Regional Shopping Center	119.415	1000sf	0.80	119,415
Retail + Residential Parking Structures	Parking	Enclosed Parking Structure	398.5	1000sf	4.57	398,500
Parking Lots	Parking	Parking Lot	129.8088	1000sf	2.98	129,809
Driveways	Parking	Other Asphalt Surfaces	192	1000sf	4.41	192,000
Landscape and Hardscape	Parking	Other Non-Asphalt Surfaces	206.5337	1000sf	4.74	206,534
Total					17.50	

Demolition

Component	**Amount to be Demolished (Tons)**	**Haul Truck Capacity (tons)**	**Haul Distance (miles)**	**Total Trip Ends**	**Duration (days)**	**Trip Ends/day**
Building Demo[1] (Trash)	1,320	22	20	120	107	2
Building Demo1 (Metal)	280	14	20	40	107	1
Total Building Demo	1,600			160		
Asphalt Demo[1,2]	1,134	14	20	163	5	33

[1] *Based on tonnage, truck capacity, and duration provided by the applicant by demolition type.*

[2] *includes the ROW, hardscape, and landscape demolition tonnage based on CalEEMod defaults*

Soil Haul[1]

Construction Activities	**Export Volume (CY)1**	**Haul Truck Capacity (cy)[2]**	**Haul Distance (miles)2**	**Total Trip Ends**	**Duration (days)**	**Trip Ends/day**
Site Preparation Soil Haul 2022	25,416	16	20	3,178	65	49
Site Preparation Soil Haul 2023	12,904	16	20	1,613	33	49
TOTAL	**38,320**			**4,791**		

[1] *Based on data provided by the applicant*

[2] *CalEEMod Default*

Architectural Coating

Percentage of Buildings' Interior Painted:	100%
Percentage of Buildings' Exterior Painted:	100%

SCAQMD Rule 1113

Non-Res Interior Paint VOC content:	100	grams per liter	*Res Interior Paint VOC content:*	50	grams per liter
Non-Res Exterior Paint VOC content:	100	grams per liter	*Res Exterior Paint VOC content:*	50	grams per liter

Land Use	Land Use SQFT	CalEEMod Factor[2]	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
Residential					
Residential Building A	436,500	2.7	1,178,550	883,913	294,638
Residential Building B	313,800	2.7	847,260	635,445	211,815
			2,025,810	**1,519,358**	**506,453**
Non-Residential					
Shopping Center	119,415	2	238,830	**179,123**	**59,708**
Asphalt Surfaces					
Parking Lot	129,809	6%	7,789	-	7,789
Parking Structures	398,500	6%	23,910	-	23,910
Driveways	192,000	6%	11,520	-	11,520
					43,219

[1] *CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.*

[2] *The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user. Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.*

[3] *We assume 100% of the interior and exterior of buildings to be modernized will be painted*

Construction Mitigation

SCAQMD Rule 403				**Enhanced Fugitive Dust Mitigation**		
Replace Ground Cover	PM10:	5	% Reduction			
	PM25:	5	% Reduction			
Water Exposed Area	Frequency:	2	per day	Frequency:	3	per day
	PM10:	55	% Reduction	PM10:	61	% Reduction
	PM25:	55	% Reduction	PM25:	61	% Reduction
Unpaved Roads	Vehicle Speed:	15	mph			
SCAQMD Rule 1186						
	Clean Paved Road	9	% PM Reduction			

Southern California Edison Carbon Intensity Factors

CO2:[1,2]	509.98	pounds per megawatt hour
CH4:[3]	0.033	pound per megawatt hour
N2O:[3]	0.004	pound per megawatt hour

[1] Based on CO2e intensity factor of 512 pounds per megawatt hour; Southern California Edison. 2021. 2020 Sustainability Report.

[2] Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC). 2007. Fourth Assessment Report: Climate Change 2007.

[3] CalEEMod default values.

Global Warming Potentials (GWP)		
	AR4	**AR5**
CO_2	1	1
CH_4	25	28
N_2O	298	265

Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC).

Pavement Volume to Weight Conversion

Component	Total SF of Area[1]	Assumed Thickness (foot)[2]	Debris Volume (cu. ft)	Weight of Crushed Asphalt (lbs/cf)[3]	AC Mass (lbs)	AC Mass (tons)
Asphalt	148,540	0.333	49,513	45	2,228,094	1114

[1] Based on construction information provided by the Applicant.

[2] Pavements and Surface Materials. Nonpoint Education for Municipal Officials, Technical Paper Number 8. University of Conneticut Cooperative Extension System, 1999.

[3] http://www.reade.com/Particle_Briefings/spec_gra2.html

Construction Activities and Schedule Assumptions: Brea Mall Project

based on durations provided by Applicant

Construction Schedule Option 1				
Construction Activities	**Phase Type**	**Start Date**	**End Date**	**CalEEMod Duration (Workday)**
Building Demolition	Demolition	6/1/2022	9/30/2022	88
Building Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	6
Asphalt Demolition	Demolition	7/1/2022	8/15/2022	32
Asphalt Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	6
Site Preparation	Site Preparation	10/1/2022	2/15/2023	98
Site Preparation Soil Haul 2022	Site Preparation	10/1/2022	12/31/2022	65
Site Preparation Soil Haul 2023	Site Preparation	1/1/2023	2/15/2023	33
Retail and Residential Building A Building Construction	Building Construction	2/1/2023	9/30/2025	695
Retail Architectural Coating	Architectural Coating	10/15/2023	12/23/2023	50
Paving	Paving	4/1/2024	4/7/2024	5
Finishing and Landscaping	Trenching	4/1/2024	4/30/2024	22
Residential Architectural Coating	Architectural Coating	7/1/2025	9/30/2025	66

Overlapping Construction Schedule Option 1			
Construction Activities	**Start Date**	**End Date**	**CalEEMod Duration (Workday)**
Building Demolition	6/1/2022	6/30/2022	22
Building and Asphalt Demolition	7/1/2022	8/8/2022	27
Building and Asphalt Demolition and Debris Haul	8/8/2022	8/15/2022	6
Building Demolition	8/16/2022	9/30/2022	34
Site Preparation and Soil Haul 2022	10/1/2022	12/31/2022	65
Site Preparation and Soil Haul 2023	1/1/2023	1/31/2023	22
Site Preparation and Soil Haul 2023 and Retail and Residential Building A Building Construction 2023	2/1/2023	2/15/2023	11
Retail and Residential Building A Building Construction 2023	2/14/2023	10/14/2023	174
Retail and Residential Building A Building Construction 2023 and Retail Architectural Coating	10/15/2023	12/23/2023	50
Retail and Residential Building A Building Construction 2023	12/24/2023	12/31/2023	5
Retail and Residential Building A Building Construction 2024	1/1/2024	3/31/2024	65
Retail and Residential Building A Building Construction 2024, Paving, and Finishing/Landscaping	4/1/2024	4/7/2024	5
Retail and Residential Building A Building Construction 2024 and Finishing/Landscaping	4/1/2024	4/30/2024	22
Retail and Residential Building A Building Construction 2024	5/1/2024	12/31/2024	175
Retail and Residential Building A Building Construction 2025	1/1/2025	6/30/2025	129
Retail and Residential Building A Building Construction 2025 Residential Architectural Coating	7/1/2025	9/30/2025	66

Construction Schedule Option 2				
Construction Activities	**Phase Type**	**Start Date**	**End Date**	**CalEEMod Duration (Workday)**
Building Demolition	Demolition	6/1/2022	9/30/2022	88
Building Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	6
Asphalt Demolition	Demolition	7/1/2022	8/15/2022	32
Asphalt Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	6
Site Preparation	Site Preparation	10/1/2022	2/15/2023	98
Site Preparation Soil Haul 2022	Site Preparation	10/1/2022	12/31/2022	65
Site Preparation Soil Haul 2023	Site Preparation	1/1/2023	2/15/2023	33
Retail and Residential Buildiing A Building Construction	Building Construction	2/1/2023	9/30/2025	695
Retail Architectural Coating	Architectural Coating	10/15/2023	12/23/2023	50
Residential Building A Architectural Coating	Architectural Coating	7/1/2025	9/30/2025	66
Paving	Paving	4/1/2024	4/7/2024	5
Finishing and Landscaping	Trenching	4/1/2024	4/30/2024	22
Residential Building B Building Construction	Building Construction	2/1/2026	3/31/2028	565
Residential Building B Architectural Coating	Architectural Coating	1/15/2028	3/31/2028	55

Overlapping Construction Schedule Option 2			
Construction Activities	**Start Date**	**End Date**	**CalEEMod Duration (Workday)**
Building Demolition	6/1/2022	6/30/2022	22
Building and Asphalt Demolition	7/1/2022	8/8/2022	27
Building and Asphalt Demolition and Debris Haul	8/8/2022	8/15/2022	6
Building Demolition	8/16/2022	9/30/2022	34
Site Preparation and Soil Haul 2022	10/1/2022	12/31/2022	65
Site Preparation and Soil Haul 2023	1/1/2023	1/31/2023	22
Site Preparation and Soil Haul 2023 and Retail and Residential Building A Building Construction 2023	2/1/2023	2/15/2023	11
Retail and Residential Building A Building Construction 2023	2/14/2023	10/14/2023	174
Retail and Residential Building A Building Construction 2023 and Retail Architectural Coating	10/15/2023	12/23/2023	50
Retail and Residential Building A Building Construction 2023	12/24/2023	12/31/2023	5
Retail and Residential Building A Building Construction 2024	1/1/2024	3/31/2024	65
Retail and Residential Building A Building Construction 2024, Paving, and Finishing/Landscaping	4/1/2024	4/7/2024	5
Retail and Residential Building A Building Construction 2024 and Finishing/Landscaping	4/1/2024	4/30/2024	22
Retail and Residential Building A Building Construction 2024	5/1/2024	12/31/2024	175
Retail and Residential Building A Building Construction 2025	1/1/2025	6/30/2025	129
Retail and Residential Building A Building Construction 2025 Residential Architectural Coating	7/1/2025	9/30/2025	66
Residential Building B Building Construction 2026	2/1/2026	1/14/2028	510
Residential Building B Building Construction 2027	2/1/2026	1/14/2028	510
Residential Building B Building Construction 2028			
Residential Building B Building Construction 2028 and Residential Architectural Coating Option 2	1/15/2028	3/31/2028	55

CalEEMod Construction Off-Road Equipment Inputs

**Based on equipment mix provided by the applicant.*

General Construction Hours: 8 hours btwn 7:00 AM to 4:00 PM (with 1 hr break), Mon-Fri

OPTION 1

Construction Equipment Details								
Equipment	model	# of Equipment	hr/day	hp	load factor*	Tier Rating	total trips/Day
Building Demolition								
Excavator	CAT 450	2	8	131	0.38		
Tractors/Loaders/Backhoes	CAT 980	1	8	97	0.3685		
Rock Crusher	Extec	1	8	350	0.78		
Worker Trips							10
Vendor Trips							0
Hauling Trips (TOTAL TRIPS)							0
Water Trucks							4
Building Demolition Debris Haul							
no additional equipment required for building demolition debris haul							
Worker Trips							0
Vendor Trips							0
Hauling Trips (TOTAL TRIPS)							160
Asphalt Demolition							
Tractors/Loaders/Backhoes	CAT 980	1	8	97	0.37		
Worker Trips							3
Vendor Trips							0
Hauling Trips (TOTAL TRIPS)							0
Dump Trucks		2					4
Asphalt Demolition Debris Haul							
no additional equipment required for asphalt demolition debris haul							
Worker Trips							0
Vendor Trips							0
Hauling Trips (TOTAL TRIPS)							163
Site Preparation							
Graders	CAT 14M3	4	8	238	0.41		
Scraper	CAT 623E	8	8	365	0.72		
Skip Loader	CAT 980	1	8	97	0.37		
Excavators	John Deere 85-135	1	8	101	0.3819		
Worker Trips							35
Vendor Trips							0
Hauling Trips (TOTAL TRIPS)							0
Water Trucks							4
Site Preparation Soil Haul 2022							
no additional equipment required for building demolition debris haul							
Worker Trips							0
Vendor Trips							0
Hauling Trips (TOTAL TRIPS)							3,178
Site Preparation Soil Haul 2023							
no additional equipment required for building demolition debris haul							
Worker Trips							0
Vendor Trips							0
Hauling Trips (TOTAL TRIPS)							1,613
Retail and Residential Buildiing A Building Construction							
Tractors/Loaders/Backhoes	Case 580	1	8	97	0.3685		
Saw	Husqvarna Soff-Cut 4200	1	8	23	0.73		
Cranes	Terex T340-1	1	8	300	0.29		
Worker Trips							287
Vendor Trips							112
Hauling Trips (TOTAL TRIPS)							0
Retail Architectural Coating							
Plaster Gun		2	8	78	0.48		
Worker Trips							21
Vendor Trips							0
Hauling Trips (TOTAL TRIPS)							0
Residential Architectural Coating							
Plaster Gun		2	8	78	0.48		
Worker Trips							37
Vendor Trips							0
Hauling Trips (TOTAL TRIPS)							0
Paving							
Paving Machine	Blaw-Knox	1	8	188	0.4154		
Roller	Ingersol	1	8	86	0.3752		
Skip Loader	CAT 980	1	8	97	0.37		
Worker Trips							8
Vendor Trips							0
Hauling Trips (TOTAL TRIPS)							0
Finishing/Landscaping							
Grader	CAT 14M3	1	8	238	0.41		
Worker Trips							3
Vendor Trips							0
Hauling Trips (TOTAL TRIPS)							0

Retail Building Construction Trips

Land Use Square Feet	Unit Amount	Unit
247,415	247	1000sqft

	Worker Ratio	Trips	Vendor Ratio	Trips
Building Construction[1]	0.42	104	0.1639	41
Architectural Coating[2]	0.2	21		

[1] Building Construction worker and vendor trip ratios are based on information from CalEEMod Appendix A Calculation Details

[2] Architectural Coating worker trip is 20% of Building Construction worker trip. See CalEEMod Appendix A.

Residential Building A Building Construction Trips

Land Use Square Feet	Unit Amount	Unit
436,500	437	1000sqft

	Worker Ratio	Trips	Vendor Ratio	Trips
Building Construction[1]	0.42	183	0.1639	72
Architectural Coating[2]	0.2	37		

[1] Building Construction worker and vendor trip ratios are based on information from CalEEMod Appendix A Calculation Details

[2] Architectural Coating worker trip is 20% of Building Construction worker trip. See CalEEMod Appendix A.

OPTION 2

	Construction Equipment Details							
	Equipment	model	# of Equipment	hr/day	hp	load factor*	Tier Rating	total trips/Day
Building Demolition								
	Excavator	CAT 450	2	8	131	0.3685		
	Tractors/Loaders/Backhoes	CAT 980	1	8	97	0.37		
	Rock Crusher	Extec	1	8	350	0.78		
	Worker Trips							10
	Vendor Trips							0
	Hauling Trips (TOTAL TRIPS)							0
	Water Trucks							4
Building Demolition Debris Haul								
	no additional equipment required for building demolition debris haul							
	Worker Trips							0
	Vendor Trips							0
	Hauling Trips (TOTAL TRIPS)							160
Asphalt Demolition								
	Tractors/Loaders/Backhoes	CAT 980	1	8	97	0.3685		
	Worker Trips							3
	Vendor Trips							0
	Hauling Trips (TOTAL TRIPS)							0
	Dump Trucks		2					4
Asphalt Demolition Debris Haul								
	no additional equipment required for asphalt demolition debris haul							
	Worker Trips							0
	Vendor Trips							0
	Hauling Trips (TOTAL TRIPS)							163
Site Preparation								
	Graders	CAT 14M3	4	8	238	0.41		
	Scraper	CAT 623E	8	8	365	0.4824		
	Skip Loader	CAT 980	1	8	97	0.37		
	Excavators	John Deere 85-135	1	8	101	0.3819		
	Worker Trips							35
	Vendor Trips							0
	Hauling Trips (TOTAL TRIPS)							0
	Water Trucks							4
Site Preparation Soil Haul 2022								
	no additional equipment required for site preparation soil haul							
	Worker Trips							0
	Vendor Trips							0
	Hauling Trips (TOTAL TRIPS)							3,178
Site Preparation Soil Haul 2023								
	no additional equipment required for site preparation soil haul							
	Worker Trips							0
	Vendor Trips							0
	Hauling Trips (TOTAL TRIPS)							1,613
Retail and Residential Buildiing A Building Construction								
	Tractors/Loaders/Backhoes	Case 580	1	8	97	0.3685		
	Saw	Husqvarna Soff-Cut 4200	1	8	23	0.73		
	Cranes	Terex T340-1	1	8	300	0.29		
	Worker Trips							233
	Vendor Trips							91
	Hauling Trips (TOTAL TRIPS)							0
Retail Architectural Coating								
	Plaster Gun		2	8	78	0.48		
	Worker Trips							47
	Vendor Trips							0
	Hauling Trips (TOTAL TRIPS)							0
Paving								
	Paving Machine	Blaw-Knox	1	8	188	0.42		
	Roller	Ingersol	1	8	86	0.38		
	Skip Loader	CAT 980	1	8	97	0.37		
	Worker Trips							8
	Vendor Trips							0
	Hauling Trips (TOTAL TRIPS)							0
Finishing/Landscaping								
	Grader	CAT 14M3	1	8	238	0.41		
	Worker Trips							3
	Vendor Trips							0
	Hauling Trips (TOTAL TRIPS)							0
Residential Building B Building Construction								
	Tractors/Loaders/Backhoes	Case 580	1	8	97	0.37		
	Saw	Husqvarna Soff-Cut 4200	1	8	23	0.73		
	Cranes	Terex T340-1	1	8	300	0.29		
	Worker Trips							132
	Vendor Trips							51
	Hauling Trips (TOTAL TRIPS)							0
Residential Architectural Coating								
	Plaster Gun		2	8	78	0.48		
	Worker Trips							26
	Vendor Trips							0
	Hauling Trips (TOTAL TRIPS)							0

Retail and Residential Building A Building Construction Trips

Land Use Square Feet	Unit Amount	Unit
555,915	556	1000sqft

	Worker Ratio	Trips	Vendor Ratio	Trips
Building Construction[1]	0.42	233	0.1639	91
Architectural Coating[2]	0.2	47		

[1] Building Construction worker and vendor trip ratios are based on information from CalEEMod Appendix A Calculation Details

[2] Architectural Coating worker trip is 20% of Building Construction worker trip. See CalEEMod Appendix A.

Residential Building B Building Construction Trips

Land Use Square Feet	Unit Amount	Unit
313,800	314	1000sqft

	Worker Ratio	Trips	Vendor Ratio	Trips
Building Construction[1]	0.42	132	0.1639	51
Architectural Coating[2]	0.2	26		

[1] Building Construction worker and vendor trip ratios are based on information from CalEEMod Appendix A Calculation Details

[2] Architectural Coating worker trip is 20% of Building Construction worker trip. See CalEEMod Appendix A.

CalEEMod Inputs - Brea Mall Existing Conditions

Name:	Brea Mall Mixed-Use Project
Project Number:	BREA-03.3
Project Location:	1065 Brea Mall, Brea, CA 92821
County/Air Basin:	Orange County
Climate Zone:	8
Land Use Setting:	Urban
Operational Year:	2022
Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	SCAQMD
SRA:	16

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
Existing Occupied Shopping Center	Retail	1,291.43	1000sqft	18.10	1,291,433
Parking Structures	Parking	760.83	1000sqft	0.00	760,832
Surface Parking (Existing) Acres	Parking Lot	26.64	Acres	26.64	1,160,438
Other Asphalt Surfaces (Landscaping, Driveways, etc.)	Parking Lot	29.26	Acres	29.26	1,274,566
			Total	**74.00**	

Trip Generation

Land Use Type	Weekday Average Daily Trips	CalEEMod Trip Rate	Saturday Trips	CalEEMod Trip Rate	Sunday Trips	CalEEMod Trip Rate
Existing Occupied Shopping Center	30,817	23.86	39,183	30.34	24,526	18.99

Source:

Based on a fully occupied shopping center (i.e., historic baseline).

Linscott, Law, and Greenspan Engineers. 2019. Traffic Impact Analysis Scope of Work for Brea Mall Expansion Project

	Trip Type Percentages		
	Primary	Diverted	Passby
Regional Shopping Center	54%	35%	11%
Adjusted Trip Type Percentages	**100%**	**0%**	**0%**

Water Use

Land Use	Indoor (gallons/year)[1]	Outdoor (gallons/year)[2,3]
Regional Shopping Center	95,659,476	NA
Enclosed Parking with Elevator	0	NA
Other Asphalt Surfaces	0	NA
Parking Lot	0	NA
Total Water Use (gal/year)[3]	95,659,476	2,013,606

[1] Based on CalEEMod defaults for indoor water use

[2] Assumes 174,365 sqft of landscaping. Based on the California Department of Water Resource Water Budget Workbook for New and Rehabilitated Non-Residential Landscapes

[3] Assumes 100% aerobic treatment.

Solid Waste CalEEMod Defaults*

Land Use	Total Solid Waste (tons/yr)
Existing Occupied Shopping Center	1,356

Architectural Coating

Percentage of Buildings' Interior Painted:	100%
Percentage of Buildings' Exterior Painted:	100%

SCAQMD Rule 1113

Non-Res Interior Paint VOC content:	100	grams per liter
Non-Res Exterior Paint VOC content:	100	grams per liter

Land Use	Land Use SQFT	CalEEMod Factor[2]	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
Non-Residential					
Shopping Center	1,291,433	2	2,582,866	1,937,150	645,717
TOTAL NONRESIDENTIAL				**1,937,150**	**645,717**
Asphalt Surfaces					
Parking Lot	1,160,438	6%	69,626	-	69,626
Parking Structures	760,832	6%	45,650	-	45,650
					115,276

Notes:

[1] CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.

[2] The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user. Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.

[3] We assume 100% of the interior and exterior of buildings to be modernized will be painted

Electricity (Buildings)

Existing Energy

Existing non-residential is modeled using historic energy demand rates in CalEEMod. Modeling is conservative because the net increase in energy use due to the project is likely smaller than reflected due to improved building energy efficiency between the project and existing land uses.

Southern California Edison Carbon Intensity Factors

CO2:[1,2]	509.98	pounds per megawatt hour
CH4:[3]	0.033	pound per megawatt hour
N2O:[3]	0.004	pound per megawatt hour

[1] Based on CO2e intensity factor of 512 pounds per megawatt hour; Southern California Edison. 2021. 2020 Sustainability Report.

[2] Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC). 2007. Fourth Assessment Report: Climate Change 2007.

[3] CalEEMod default values.

Global Warming Potentials (GWP)

	AR4	AR5
CO_2	1	1
CH_4	25	28
N_2O	298	265

Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC).

CalEEMod Inputs - Brea Mall Mixed-Use Project (Option 1), Operations

Name:	Brea Mall Mixed-Use Project, Option 1
Project Number:	BREA-03.3
Project Location:	1065 Brea Mall, Brea, CA 92821
County/Air Basin:	Orange County
Climate Zone:	8
Land Use Setting:	Urban
Operational Year:	2022
Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	SCAQMD
SRA:	16

Project Site Acreage	74
Disturbed Site Acreage	15.50

Existing Land Uses	***SQFT***	***Stories***	***Acres***
Existing Occupied Shopping Center	1,282,519	2	18.10
Existing Parking Structures	760,832	2	0.00
Existing Surface Parking	1,160,438	NA	26.64
Existing Asphalt Surfaces *	1,274,566	NA	29.26

*includes landscaping and driveway areas for most conservative results

Demolition Area	***SQFT***	***Stories***	***Acres***
Sears	161,990	2	1.86
Asphalt	522,720	NA	12.00
ROW, hardscape, landscape	148,540	**NA**	3.41

New Construction	***SQFT***	***Stories***	***Acres***	
Residential				**Units**
Apartments	436,500	5	0.00	**390**
Retail				
Fitness Center	128,000	3	0.98	
Mall	69,415	2	0.80	
Sporting Goods[2]	50,000	1	0.00	
TOTAL NEW RETAIL	247,415			
Commercial Space Net Change	85,425			
Parking	***SQFT***	***Stories***	***Acres***	**Stalls**
Retail Surface Parking	129,809	NA	2.98	
Residential Structure Parking	476,800	2	5.47	**1080**
Driveways	192,000	NA	4.41	
Additional Area[2]	114,672	NA	2.63	
Total New Construction	**1,160,715**			

[1] *Sporting goods store would be built on top of ground floor mall shops*

[2] *Additional unaccounted area is assumed to be a part of "Other Asphalt Surfaces" for the most conservative outputs*

CalEEMod Land Use Inputs

Land Use	Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Building Square Feet
Apartments	Residential	Apartments (Mid-Rise)	390	Units	0.00	436,500
Mall Shops + Sporting Goods	Retail	Regional Shopping Center	1239.944	1000sf	17.04	1,239,944
Fitness Center	Recreational	Health Club	128.000	1000sf	0.98	128,000
Residential Parking Structures	Parking	Enclosed Parking Structure	1237.632	1000sf	5.47	1,237,632
Parking Lots	Parking	Parking Lot	766.576	1000sf	17.62	766,576
Driveways	Parking	Other Asphalt Surfaces	1432.698	1000sf	32.89	1,432,698
Total					74.00	

Trips

Land Use Type	Average Daily Trips	CalEEMod Trip Rate	Saturday Trips	CalEEMod Trip Rate	Sunday Trips	CalEEMod Trip
Regional Shopping Center	29,136	**23.50**	37,450	**30.20**	22,913	**18.48**
Health Club	3,512	**27.44**	3,373	**26.35**	3,373	**26.35**
Apartments (Mid-Rise)	1,188	**3.05**	1,073	**2.75**	893	**2.29**
Total	**33,836**		**41,896**		**27,179**	

	Trip Type Percentages		
	Primary	**Diverted**	**Passby**
Apartments (Mid-Rise)	86%	11%	3%
Regional Shopping Center	54%	35%	11%
Health Club			
Adjusted Trip Type Percentages	**100%**	**0%**	**0%**

Water Use*

Landscape Assumptions for Outdoor Water Use					
Total New Construction Area (Acres)	Assumed Landscape Percentage	New Landscaped Area	Existing Landscaped Area	Total Landscaped Area (Acres)	Total Landscaped Area (sqft)
15.50	15%	2.33	4.00	6.33	275,642.00

Land Use	Indoor (gallons/year)[1]	Outdoor (gallons/year)[2,3]
Apartments Mid Rise	25,410,070	NA
Enclosed Parking with Elevator	0	NA
Health Club	7,570,322	NA
Other Asphalt Surfaces	0	NA
Parking Lot	0	NA
Regional Shopping Center	91,845,482	NA
TOTAL WATER USE	124,825,875	2,326,926

[1] Based on CalEEMod defaults for indoor water use

[2] Based on the California Department of Water Resource Water Budget Workbook for New and Rehabilitated Non-Residential Landscapes. Assigns all outdoor water to the Apartments land uses

*Assumes 100% aerobic treatment.

Solid Waste (CalEEMod defaults)

Land Use	(tons/year)
Apartments Mid Rise	179.40
Enclosed Parking with Elevator	0.00
Health Club	729.60
Other Asphalt Surfaces	0.00
Parking Lot	0.00
Regional Shopping Center	1,301.94
TOTAL	2,210.94

Hearths

No fireplaces or barbecue grills for Option 1

Electricity (Buildings)

Default CalEEMod Energy Use

Land Use Subtype	Title-24 Electricity Energy Intensity (kWhr/size/year)*	Nontitle-24 Electricity Energy Intensity (kWhr/size/year)	Lighting Energy Intensity (KWhr/size/year)	Title-24 Natural Gas Energy Intensity (KBTU/size/year)*	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year)
Apartments Mid Rise	**38.29**	3,054.10	741.44	**5,633.62**	5,516.00
Enclosed Parking with Elevator	**3.50**	0.19	1.75	**0.00**	0.00
Health Club	**1.45**	3.83	2.99	**13.90**	6.86
Other Asphalt Surfaces	**0.00**	0.00	0.00	**0.00**	0.00
Parking Lot	**0.00**	0.00	0.35	**0.00**	0.00
Regional Shopping Center	**2.62**	2.80	5.71	**0.94**	1.05

Remaining Historical Uses

Enclosed Parking with Elevator	**3.92**	0.19	2.63	**0.00**	0.00
Parking Lot	**0.00**	0.00	0.88	**0.00**	0.00
Regional Shopping Center	**3.79**	2.80	6.85	**1.06**	1.05

Land Use Type	Remaining Historical Land Uses	New Land Uses	Total
Enclosed Parking with Elevator	760,832.00	476,800.00	1,237,632.00
Parking Lot	637,718.40	129,808.80	767,527.20
Regional Shopping Center	1,120,529.00	119,415.00	1,239,944.00

Adjusted CalEEMod Energy Use

Land Use Subtype	Title-24 Electricity Energy Intensity (kWhr/size/year)*	Nontitle-24 Electricity Energy Intensity (kWhr/size/year)	Lighting Energy Intensity (KWhr/size/year)	Title-24 Natural Gas Energy Intensity (KBTU/size/year)*	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year)
Apartments Mid Rise	**38.29**	3,054.10	741.44	**5,633.62**	5,516.00
Enclosed Parking with Elevator	**3.76**	0.19	2.29	**0.00**	0.00
Health Club	**1.45**	3.83	2.99	**13.90**	6.86
Other Asphalt Surfaces	**0.00**	0.00	0.00	**0.00**	0.00
Parking Lot	**0.00**	0.00	0.79	**0.00**	0.00
Regional Shopping Center	**3.68**	2.80	6.74	**1.05**	1.05

** adjusted CalEEMod Energy use reflects blended CalEEMod default energy rates for historical and new uses*

Architectural Coating

Percentage of Buildings' Interior Painted: 100%

Percentage of Buildings' Exterior Painted: 100%

SCAQMD Rule 1113

Non-Res Interior Paint VOC content: 100 grams per liter

Res Interior Paint VOC content: 50 grams per liter

Non-Res Exterior Paint VOC content: 100 grams per liter

Res Exterior Paint VOC content: 50 grams per liter

Land Use	Land Use SQFT	CalEEMod Factor[2]	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
Residential					
Residential	436,500	2.7	1,178,550	**883,913**	**294,638**
Non-Residential					
Shopping Center	1,239,944	2	2,479,888	1,859,916	619,972
Fitness Center	128,000	2	256,000	192,000	64,000
				2,051,916	**683,972**
Asphalt Surfaces					
Parking Lot	766,576	6%	45,995	-	45,995
Parking Structures	1,237,632	6%	74,258	-	74,258
					120,252

[1] *CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.*

[2] *The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user. Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.*

[3] *We assume 100% of the interior and exterior of buildings to be modernized will be painted*

Southern California Edison Carbon Intensity Factors

CO2:[1,2]	509.98	pounds per megawatt hour
CH4:[3]	0.033	pound per megawatt hour
N2O:[3]	0.004	pound per megawatt hour

[1] Based on CO2e intensity factor of 512 pounds per megawatt hour; Southern California Edison. 2021. 2020 Sustainability Report. https://www.edison.com/home/sustainability/sustainability-

[2] Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC). 2007. Fourth Assessment Report: Climate Change 2007.

[3] CalEEMod default values.

Global Warming Potentials (GWP)

	AR4	AR5
CO_2	1	1
CH_4	25	28
N_2O	298	265

Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC).

CalEEMod Inputs - Brea Mall Mixed-Use Project (Option 2), Operations

Name:	Brea Mall Mixed-Use Project, Option 2
Project Number:	BREA-03.3
Project Location:	1065 Brea Mall, Brea, CA 92821
County/Air Basin:	Orange County
Climate Zone:	8
Land Use Setting:	Urban
Operational Year:	2022
Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	SCAQMD
SRA:	16

Proiect Site Acreage	74
Disturbed Site Acreage	17.50

Existing Land Uses	***SQFT***	***Stories***	***Acres***
Existing Occupied Shopping Center	1,282,519	2	18.10
Existing Parking Structures	760,832	2	0.00
Existing Surface Parking	1,160,438	NA	26.64
Existing Asphalt Surfaces *	1,274,566	NA	29.26

*includes landscaping and driveway areas for most conservative results

Demolition Area	***SQFT***	***Stories***	***Acres***
Sears	161,990	2	1.86
Asphalt	522,720	NA	12.00
ROW, hardscape, landscape	148,540	**NA**	3.41

New Construction	***SQFT***	***Stories***	***Acres***	
Residential				
Apartments	750,300	5	0.00	**Units** 670
Retail				
Mall	69,415	2	0.80	
Sporting Goods[2]	50,000	1	0.00	
TOTAL NEW RETAIL	119,415			
Commercial Space Net Change	-42,575			
Parking	***SQFT***	***Stories***	***Acres***	
Retail Surface Parking	129,809	NA	2.98	
Residential Structure Parking	398,500	2	4.57	
Driveways	192,000	NA	4.41	
Landscaping/Hardscape	196,488	NA	4.51	
			17.27	
Total New Construction	**1,268,215**		**17.50**	

[2] *Sporting goods store would be built on top of ground floor mall shops*

CalEEMod Land Use Inputs

Land Use	Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Building Square Feet
Apartments	Residential	Apartments (Mid-Rise)	670	DU	0.00	750,300
Mall Shops + Sporting Goods	Retail	Regional Shopping Center	1239.944	1000sf	17.04	1,239,944
Residential Parking Structures	Parking	Enclosed Parking Structure	1159.332	1000sf	4.57	1,159,332
Parking Lots	Parking	Parking Lot	766.576	1000sf	17.62	766,576
Driveways	Parking	Other Asphalt Surfaces	1514.514	1000sf	34.77	1,514,514
Total					74.00	

Trips

Land Use Type	Average Daily Trips	CalEEMod Trip Rate	Saturday Trips	CalEEMod Trip Rate	Sunday Trips	CalEEMod Trip
Shopping Center	28,533	**23.01**	36,904	**29.76**	22,460	**18.11**
Apartments (Mid-Rise)	2,041	**3.05**	1,842	**2.75**	1,535	**2.29**
Total	**30,574**		**38,746**		**23,995**	

	Trip Type Percentages		
	Primary	**Diverted**	**Passby**
Apartments Mid Rise	86%	11%	3%
Regional Shopping Center	54%	35%	11%
Adjusted Trip Type Percentages	**100%**	**0%**	**0%**

Water Use

Landscape Assumptions for Outdoor Water Use

Total New Construction Area (Acres)	Assumed Landscape Percentage	New Landscaped Area	Existing Landscaped Area*	Total Landscaped Area (Acres)	Total Landscaped Area (sqft)
15.50	15%	2.33	4.00	6.33	275,642.00

*existing landscaped area based on Google Earth estimates

Land Use	Indoor (gallons/year)[1]	Outdoor (gallons/year)[2,3]
Apartments Mid Rise	43,653,197	NA
Regional Shopping Center	91,845,482	NA
Enclosed Parking with Elevator	0	NA
Other Asphalt Surfaces	0	NA
Parking Lot	0	NA
Total Water Use (gal/year)[3]	135,498,679	2,326,926

[1] Based on CalEEMod defaults for indoor water use

[2] Based on the California Department of Water Resource Water Budget Workbook for New and Rehabilitated Non-Residential Landscapes

[3] Assumes 100% aerobic treatment.

Solid Waste

Land Use	(tons/year)
Apartments Mid Rise	308.20
Regional Shopping Center	1,301.94
TOTAL	1,610.14

Hearths

No fireplaces or barbecue grills for Option 2

Default CalEEMod Energy Use

Land Use Subtype	Title-24 Electricity Energy Intensity (kWhr/size/year)*	Nontitle-24 Electricity Energy Intensity (kWhr/size/year)	Lighting Energy Intensity (KWhr/size/year)	Title-24 Natural Gas Energy Intensity (KBTU/size/year)*	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year)
Apartments Mid Rise	**38.29**	3,054.10	741.44	**5,633.62**	5,516.00
Enclosed Parking with Elevator	**3.50**	0.19	1.75	**0.00**	0.00
Other Asphalt Surfaces	**0.00**	0.00	0.00	**0.00**	0.00
Parking Lot	**0.00**	0.00	0.35	**0.00**	0.00
Regional Shopping Center	**2.62**	2.80	5.71	**0.94**	1.05

Remaining Historical Uses

Enclosed Parking with Elevator	**3.92**	0.19	2.63	**0.00**	0.00
Parking Lot	**0.00**	0.00	0.88	**0.00**	0.00
Regional Shopping Center	**3.79**	2.80	6.85	**1.06**	1.05

Land Use Type	Remaining Historical Land Uses	New Land Uses	Total
Enclosed Parking with Elevator	760,832.00	398,500.00	1,159,332.00
Parking Lot	637,718.40	129,808.80	767,527.20
Regional Shopping Center	1,120,529.00	119,415.00	1,239,944.00

Adjusted CalEEMod Energy Use

Land Use Subtype	Title-24 Electricity Energy Intensity (kWhr/size/year)*	Nontitle-24 Electricity Energy Intensity (kWhr/size/year)	Lighting Energy Intensity (KWhr/size/year)	Title-24 Natural Gas Energy Intensity (KBTU/size/year)*	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year)
Apartments Mid Rise	**38.29**	3,054.10	741.44	**5,633.62**	5,516.00
Enclosed Parking with Elevator	**3.78**	0.19	2.33	**0.00**	0.00
Other Asphalt Surfaces	**0.00**	0.00	0.00	**0.00**	0.00
Parking Lot	**0.00**	0.00	0.79	**0.00**	0.00
Regional Shopping Center	**3.68**	2.80	6.74	**1.05**	1.05

** adjusted CalEEMod Energy use reflects blended CalEEMod default energy rates for historical and new uses*

Architectural Coating

Percentage of Buildings' Interior Painted: 100%

Percentage of Buildings' Exterior Painted: 100%

SCAQMD Rule 1113

Non-Res Interior Paint VOC content: 100 grams per liter

Res Interior Paint VOC content: 50 grams per liter

Non-Res Exterior Paint VOC content: 100 grams per liter

Res Exterior Paint VOC content: 50 grams per liter

Land Use	Land Use SQFT	CalEEMod Factor[2]	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
Residential					
Residential	750,300	2.7	2,025,810	**1,519,358**	**506,453**
Non-Residential					
Shopping Center	1,239,944	2	2,479,888	1,859,916	619,972
				1,859,916	**619,972**
Asphalt Surfaces					
Parking Lot	766,576	6%	45,995	-	45,995
Parking Structures	1,159,332	6%	69,560	-	69,560
					115,554

[1] CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.

[2] The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user. Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.

[3] We assume 100% of the interior and exterior of buildings to be modernized will be painted

Southern California Edison Carbon Intensity Factors

CO2:[1,2]	509.98	pounds per megawatt hour
CH4:[3]	0.033	pound per megawatt hour
N2O:[3]	0.004	pound per megawatt hour

[1] Based on CO2e intensity factor of 512 pounds per megawatt hour; Southern California Edison. 2021. 2020 Sustainability Report.

[2] Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC). 2007. Fourth Assessment Report: Climate Change 2007.

[3] CalEEMod default values.

Global Warming Potentials (GWP)

	AR4	AR5
CO_2	1	1
CH_4	25	28
N_2O	298	265

Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC).

Instructions

Cells with pale blue background are for entering data

Results show in cells with tan background

Messages and warnings are displayed in cells with yellow background

1) Select city by clicking on blue cell and

choosing a city from the drop down menu ETo

appears in the tan cell below the name of the city

2) Enter square footage of overhead spray ~~irrigated landscape area~~

3) Enter square footage of drip irrigated landscape area

4) Enter square footage of Special Landscape Area (SLA)

5) MAWA results appear in the tan cells

6) If you are considering effective precipitation (Eppt), enter total annual precipitation.

7) Eppt

8) For comparison, MAWA without effective precipitation is displayed below

MAWA without Eppt (Gallons)

1,241,328.36

Maximum Applied Water Allowance Calculations for New and Rehabilitated Non-Residential Landscapes

Enter value in Pale Blue Cells

Tan Cells Show Results

Messages and Warnings

Click on the blue cell on right to Pick City Name	**Brea**	**Name of City**
ET_o of City from Appendix A	**51.80**	**ET_o** (inches/year)
	43,954	Overhead Landscape Area (ft^2)
	41938	Drip Landscape Area (ft^2)
	0	SLA (ft^2)
Total Landscape Area	**174,365**	
Results:		
$(ET_o) \times (0.62) \times [(0.45 \times LA) + (1.0 - 0.45) \times SLA)]$	-	Gallons
	-	Cubic Feet
	-	HCF
	-	Acre-feet
	-	Millions of Gallons
MAWA calculation incorporating Effective Precipitation (Optional)		
Precipitation (Optional)		
ET_o of City from Appendix A	**52**	ET_o (inches/year)
Total Landscape Area	**174,365**	LA (ft^2)
Special Landscape Area	**0**	SLA (ft^2)
	15	Total annual precipitiation (inches/year)
Enter Effective Precipitation	**3.75**	Eppt (in/yr)(25% of total annual precipitation)
Results:		
$MAWA = [(ET_o - Eppt) \times (0.62)] \times [(0.45 \times LA) + ((1.0 - 0.45) \times SLA)]$	**2,337,450**	Gallons
	312,472.65	Cubic Feet
	3,124.73	HCF
	7.17	Acre-feet
	2.34	Millions of Gallons

Messages and Warnings

Irrigation Efficiency Default Value for overhead 0.75 and drip 0.81.

Plant Water Use Type	Plant Factor
Very Low	0 - 0.1
Low	0.2 - 0.3
Medium	0.4 - 0.6
High	0.7 - 1.0
SLA	1.0

Hydrozone	Select System From the Dropdown List click on cell below	Plant Water Use Type (s) (low, medium, high)	Plant Factor (PF)	Hydrozone Area (HA) (ft^2) Without SLA	Irrigation Efficiency (IE)	(PF x HA (ft^2))/IE
Zone 1	**Overhead Spray**	**High**	0.70	-	0.75	**0**
Zone 2	**Overhead Spray**	**Medium**	0.50	-	0.75	**0**
Zone 3	**Overhead Spray**	**Medium**	0.40	43,591	0.75	**23,249**
Zone 4	**Overhead Spray**	**Low**	0.30	43,591	0.75	**17,437**
Zone 5	**Drip**	**Low**	0.30	43,591	0.81	**16,145**
Zone 6	**Drip**	**Low**	0.20	43,591	0.81	**10,763**
Zone 7						
Zone 8						
Zone 9						
Zone 10						
Zone 11						
Zone 12						
Zone 13						
Zone 14						
Zone 15						
Zone 16						
Zone 17						
Zone 18						
Zone 19						
Zone 20						
Zone 21						
Zone 22						
Zone 23						
Zone 24						
Zone 25						
Zone 26						
Zone 27						
Zone 28						
Zone 29						
Zone 30						
Zone 31						
Zone 32						
Zone 33						
Zone 34						
Zone 35						
						67,593
		SLA		0		**0**
			Sum	174,365		

Results

MAWA = 2,337,450

ETWU = 2,013,606 Gallons
269,181 Cubic Feet
2,691.81 HCF
6.18 Acre-feet
2.01 Millions of Gallons

ETWU complies with MAWA

Instructions

Cells with pale blue background are for entering data

Results show in cells with tan background

Messages and warnings are displayed in cells with yellow backgroun

1) Select city by clicking on blue cell and

choosing a city from the drop down menu ETo

appears in the tan cell below the name of the city

2) Enter square footage of overhead spray ~~irrigated landscape area~~

3) Enter square footage of drip irrigated landscape area

4) Enter square footage of Special Landscape Area (SLA)

5) MAWA results appear in the tan cells

6) If you are considering effective precipitation (Eppt), enter total annual precipitation.

7) Eppt

8) For comparison, MAWA without effective precipitation is displayed below

MAWA without Eppt (Gallons)

1,241,328.36

Maximum Applied Water Allowance Calculations for New and Rehabilitated Non-Residential Landscapes

Enter value in Pale Blue Cells

Tan Cells Show Results

Messages and Warnings

Click on the blue cell on right to Pick City Name	**Brea**	**Name of City**
ET_o of City from Appendix A	**51.80**	**ET_o** (inches/year)
	43,954	Overhead Landscape Area (ft^2)
	41938	Drip Landscape Area (ft^2)
	0	SLA (ft^2)
Total Landscape Area	**275,642**	
Results:		
(ET_o) x (0.62) x [(0.45 x LA) + (1.0 - 0.45) X SLA)]	-	Gallons
	-	Cubic Feet
	-	HCF
	-	Acre-feet
	-	Millions of Gallons
MAWA calculation incorporating Effective Precipitation (Optional)		
Precipitation (Optional)		
ET_o of City from Appendix A	**52**	ET_o (inches/year)
Total Landscape Area	**275,642**	LA (ft^2)
Special Landscape Area	**0**	SLA (ft^2)
	15	Total annual precipitiation (inches/year)
Enter Effective Precipitation	**3.75**	Eppt (in/yr)(25% of total annual precipitation
Results:		
MAWA = [(ET_o - Eppt) x (0.62)] x [(0.45 x LA) + ((1.0 - 0.45) x SLA)]	**3,695,119**	Gallons
	493,967.18	Cubic Feet
	4,939.67	HCF
	11.34	Acre-feet
	3.70	Millions of Gallons

Messages and Warnings

Irrigation Efficiency Default Value for overhead 0.75 and drip 0.81.

Plant Water Use Type	Plant Factor
Very Low	0 - 0.1
Low	0.2 - 0.3
Medium	0.4 - 0.6
High	0.7 - 1.0
SLA	1.0

Hydrozone	Select System From the Dropdown List click on cell below	Plant Water Use Type (s) (low, medium, high)	Plant Factor (PF)	Hydrozone Area (HA) (ft^2) Without SLA	Irrigation Efficiency (IE)	(PF x HA (ft^2))/IE
Zone 1	**Overhead Spray**	**High**	0.70	-	0.75	**0**
Zone 2	**Overhead Spray**	**Medium**	0.50	-	0.75	**0**
Zone 3	**Overhead Spray**	**Medium**	0.40	27,564	0.75	**14,701**
Zone 4	**Overhead Spray**	**Low**	0.30	27,564	0.75	**11,026**
Zone 5	**Drip**	**Low**	0.30	110,257	0.81	**40,836**
Zone 6	**Drip**	**Low**	0.20	110,257	0.81	**27,224**
Zone 7						
Zone 8						
Zone 9						
Zone 10						
Zone 11						
Zone 12						
Zone 13						
Zone 14						
Zone 15						
Zone 16						
Zone 17						
Zone 18						
Zone 19						
Zone 20						
Zone 21						
Zone 22						
Zone 23						
Zone 24						
Zone 25						
Zone 26						
Zone 27						
Zone 28						
Zone 29						
Zone 30						
Zone 31						
Zone 32						
Zone 33						
Zone 34						
Zone 35						
						93,786
		SLA		0		**0**
			Sum	275,642		

Results

MAWA = 3,695,119

ETWU = 2,793,895 Gallons
373,491 Cubic Feet
3,734.91 HCF
8.57 Acre-feet
2.79 Millions of Gallons

ETWU complies with MAWA

CalEEMod Construction Model

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Brea Mall Mixed-Use Project (Option 1) Construction Run

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	476.80	1000sqft	5.47	476,800.00	0
Other Asphalt Surfaces	192.00	1000sqft	4.41	192,000.00	0
Other Non-Asphalt Surfaces	124.72	1000sqft	2.86	124,717.00	0
Parking Lot	129.81	1000sqft	2.98	129,809.00	0
Health Club	128.00	1000sqft	0.98	128,000.00	0
Apartments Mid Rise	390.00	Dwelling Unit	0.00	436,500.00	1115
Regional Shopping Center	119.42	1000sqft	0.80	119,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - structures are comprised of multiple stories

Construction Phase - based on information provided by applicant. see project description for construction durations

Off-road Equipment - based on information provided by the applicant

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - no additional equipment required for asphalt demolition debris haul

Off-road Equipment - based on information provided by applicant

Off-road Equipment - no additional equipment required for building demolition haul

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - no additional equipment required for site preparation soil haul

Off-road Equipment - no additional equipment required for site preparation soil haul

Trips and VMT - assumes 4 vt/water truck/day. Assumes that 2 dump trucks will be used for asphalt demo haul. Building Construction and Arch Coat are calculated based on CalEEMod Appendix A rates

Demolition -

Grading -

Architectural Coating - see assumptions file for calculations. Parking only accounts for parking area and driveways

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	123,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	371,123.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,400.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,400.00	47,917.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	294,638.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	883,913.00	0.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	66.00

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	300.00	695.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	98.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	10.00	33.00
tblGrading	MaterialExported	0.00	25,416.00
tblGrading	MaterialExported	0.00	12,904.00
tblLandUse	LandUseSquareFeet	124,720.00	124,717.00
tblLandUse	LandUseSquareFeet	129,810.00	129,809.00
tblLandUse	LandUseSquareFeet	390,000.00	436,500.00
tblLandUse	LandUseSquareFeet	119,420.00	119,415.00
tblLandUse	LotAcreage	10.95	5.47
tblLandUse	LotAcreage	2.94	0.98
tblLandUse	LotAcreage	10.26	0.00
tblLandUse	LotAcreage	2.74	0.80
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	158.00	131.00
tblOffRoadEquipment	HorsePower	130.00	188.00
tblOffRoadEquipment	HorsePower	80.00	86.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	101.00

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	367.00	365.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblTripsAndVMT	HaulingTripNumber	158.00	160.00
tblTripsAndVMT	HaulingTripNumber	112.00	163.00
tblTripsAndVMT	HaulingTripNumber	3,177.00	3,178.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	234.00	112.00
tblTripsAndVMT	WorkerTripNumber	152.00	21.00
tblTripsAndVMT	WorkerTripNumber	761.00	287.00
tblTripsAndVMT	WorkerTripNumber	152.00	21.00

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.3826	4.1265	2.8144	8.1200e-003	0.6006	0.1481	0.7486	0.0744	0.1371	0.2115	0.0000	746.4398	746.4398	0.1800	0.0186	756.4668
2023	1.6077	3.0532	3.0851	0.0104	1.0056	0.0997	1.1053	0.1871	0.0926	0.2797	0.0000	956.0420	956.0420	0.1398	0.0491	974.1653
2024	0.2219	1.5126	2.0441	7.7000e-003	0.5058	0.0415	0.5473	0.1364	0.0388	0.1752	0.0000	716.0699	716.0699	0.0675	0.0444	730.9980
2025	1.5247	1.0979	1.5675	5.7600e-003	0.3836	0.0300	0.4136	0.1034	0.0284	0.1318	0.0000	535.4819	535.4819	0.0484	0.0325	546.3648
Maximum	**1.6077**	**4.1265**	**3.0851**	**0.0104**	**1.0056**	**0.1481**	**1.1053**	**0.1871**	**0.1371**	**0.2797**	**0.0000**	**956.0420**	**956.0420**	**0.1800**	**0.0491**	**974.1653**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.3826	4.1265	2.8144	8.1200e-003	0.2819	0.1481	0.4300	0.0388	0.1371	0.1759	0.0000	746.4391	746.4391	0.1800	0.0186	756.4661
2023	1.6077	3.0532	3.0851	0.0104	0.6712	0.0997	0.7709	0.1460	0.0926	0.2385	0.0000	956.0415	956.0415	0.1398	0.0491	974.1649
2024	0.2219	1.5126	2.0441	7.7000e-003	0.4676	0.0415	0.5091	0.1271	0.0388	0.1659	0.0000	716.0698	716.0698	0.0675	0.0444	730.9978
2025	1.5247	1.0979	1.5675	5.7600e-003	0.3546	0.0300	0.3847	0.0963	0.0284	0.1247	0.0000	535.4817	535.4817	0.0484	0.0325	546.3646
Maximum	**1.6077**	**4.1265**	**3.0851**	**0.0104**	**0.6712**	**0.1481**	**0.7709**	**0.1460**	**0.1371**	**0.2385**	**0.0000**	**956.0415**	**956.0415**	**0.1800**	**0.0491**	**974.1649**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	28.86	0.00	25.59	18.60	0.00	11.69	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2022	8-31-2022	0.7055	0.7055
2	9-1-2022	11-30-2022	2.9530	2.9530
3	12-1-2022	2-28-2023	3.4073	3.4073
4	3-1-2023	5-31-2023	0.4222	0.4222
5	6-1-2023	8-31-2023	0.4190	0.4190
6	9-1-2023	11-30-2023	1.3174	1.3174
7	12-1-2023	2-29-2024	0.8537	0.8537
8	3-1-2024	5-31-2024	0.4935	0.4935
9	6-1-2024	8-31-2024	0.4053	0.4053
10	9-1-2024	11-30-2024	0.4073	0.4073
11	12-1-2024	2-28-2025	0.3930	0.3930
12	3-1-2025	5-31-2025	0.3887	0.3887
13	6-1-2025	8-31-2025	1.3621	1.3621
14	9-1-2025	9-30-2025	0.5982	0.5982
		Highest	3.4073	3.4073

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Demolition	Demolition	6/1/2022	9/30/2022	5	88	
2	Building Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	
3	Asphalt Demolition	Demolition	7/1/2022	8/15/2022	5	32	
4	Asphalt Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	
5	Site Preparation	Site Preparation	10/1/2022	2/15/2023	5	98	
6	Site Preparation Soil Haul 2022	Site Preparation	10/1/2022	12/31/2022	5	65	
7	Site Preparation Soil Haul 2023	Site Preparation	1/1/2023	2/15/2023	5	33	
8	Retail and Residential Building A Building Construction	Building Construction	2/1/2023	9/30/2025	5	695	
9	Retail Architectural Coating	Architectural Coating	10/15/2023	12/23/2023	5	50	
10	Finishing and Landscaping	Trenching	4/1/2024	4/30/2024	5	22	
11	Paving	Paving	4/1/2024	4/7/2024	5	5	
12	Residential Architectural Coating	Architectural Coating	7/1/2025	9/30/2025	5	66	

Acres of Grading (Site Preparation Phase): 980

Acres of Grading (Grading Phase): 0

Acres of Paving: 15.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 371,123; Non-Residential Outdoor: 123,708; Striped Parking Area: 47,917

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Building Demolition	Excavators	2	8.00	131	0.38

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Debris Haul	Excavators	0	8.00	158	0.38
Building Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38
Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Excavators	1	8.00	101	0.38
Site Preparation	Graders	4	8.00	238	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	8	8.00	365	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation Soil Haul 2022	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2022	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation Soil Haul 2023	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2023	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Retail and Residential Building A Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73
Retail and Residential Building A Building Construction	Cranes	1	8.00	300	0.29
Retail and Residential Building A Building Construction	Forklifts	0	8.00	89	0.20
Retail and Residential Building A Building Construction	Generator Sets	0	8.00	84	0.74
Retail and Residential Building A Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Retail and Residential Building A Building Construction	Welders	0	8.00	46	0.45

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Retail Architectural Coating	Air Compressors	2	6.00	78	0.48
Residential Architectural Coating	Air Compressors	2	6.00	78	0.48
Paving	Pavers	1	8.00	188	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	8.00	86	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Finishing and Landscaping	Graders	1	8.00	238	0.41

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Demolition	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Debris Haul	0	0.00	0.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition Debris Haul	0	0.00	0.00	163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2022	0	0.00	0.00	3,178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2023	0	0.00	0.00	1,613.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail and Residential Building A Building	3	287.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail Architectural Coating	2	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Architectural Coating	2	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing and Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0760	0.4977	0.5620	1.5700e-003		0.0204	0.0204		0.0196	0.0196	0.0000	154.3428	154.3428	0.0190	0.0000	154.8182
Total	**0.0760**	**0.4977**	**0.5620**	**1.5700e-003**		**0.0204**	**0.0204**		**0.0196**	**0.0196**	**0.0000**	**154.3428**	**154.3428**	**0.0190**	**0.0000**	**154.8182**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	8.2700e-003	2.8500e-003	3.0000e-005	1.1100e-003	8.0000e-005	1.1900e-003	3.2000e-004	7.0000e-005	3.9000e-004	0.0000	3.3112	3.3112	1.9000e-004	4.7000e-004	3.4575
Worker	1.3300e-003	1.0000e-003	0.0138	4.0000e-005	4.8300e-003	3.0000e-005	4.8600e-003	1.2800e-003	2.0000e-005	1.3100e-003	0.0000	3.7930	3.7930	9.0000e-005	1.0000e-004	3.8238
Total	**1.6200e-003**	**9.2700e-003**	**0.0166**	**7.0000e-005**	**5.9400e-003**	**1.1000e-004**	**6.0500e-003**	**1.6000e-003**	**9.0000e-005**	**1.7000e-003**	**0.0000**	**7.1042**	**7.1042**	**2.8000e-004**	**5.7000e-004**	**7.2812**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0760	0.4977	0.5620	1.5700e-003		0.0204	0.0204		0.0196	0.0196	0.0000	154.3427	154.3427	0.0190	0.0000	154.8180
Total	**0.0760**	**0.4977**	**0.5620**	**1.5700e-003**		**0.0204**	**0.0204**		**0.0196**	**0.0196**	**0.0000**	**154.3427**	**154.3427**	**0.0190**	**0.0000**	**154.8180**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	8.2700e-003	2.8500e-003	3.0000e-005	1.0400e-003	8.0000e-005	1.1200e-003	3.0000e-004	7.0000e-005	3.8000e-004	0.0000	3.3112	3.3112	1.9000e-004	4.7000e-004	3.4575
Worker	1.3300e-003	1.0000e-003	0.0138	4.0000e-005	4.4500e-003	3.0000e-005	4.4800e-003	1.1900e-003	2.0000e-005	1.2100e-003	0.0000	3.7930	3.7930	9.0000e-005	1.0000e-004	3.8238
Total	**1.6200e-003**	**9.2700e-003**	**0.0166**	**7.0000e-005**	**5.4900e-003**	**1.1000e-004**	**5.6000e-003**	**1.4900e-003**	**9.0000e-005**	**1.5900e-003**	**0.0000**	**7.1042**	**7.1042**	**2.8000e-004**	**5.7000e-004**	**7.2812**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0171	0.0000	0.0171	2.5900e-003	0.0000	2.5900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0171**	**0.0000**	**0.0171**	**2.5900e-003**	**0.0000**	**2.5900e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2000e-004	0.0131	3.5200e-003	5.0000e-005	1.3700e-003	9.0000e-005	1.4700e-003	3.8000e-004	9.0000e-005	4.7000e-004	0.0000	4.9072	4.9072	4.7000e-004	7.9000e-004	5.1532
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2000e-004**	**0.0131**	**3.5200e-003**	**5.0000e-005**	**1.3700e-003**	**9.0000e-005**	**1.4700e-003**	**3.8000e-004**	**9.0000e-005**	**4.7000e-004**	**0.0000**	**4.9072**	**4.9072**	**4.7000e-004**	**7.9000e-004**	**5.1532**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.3200e-003	0.0000	7.3200e-003	1.1100e-003	0.0000	1.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**7.3200e-003**	**0.0000**	**7.3200e-003**	**1.1100e-003**	**0.0000**	**1.1100e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2000e-004	0.0131	3.5200e-003	5.0000e-005	1.2800e-003	9.0000e-005	1.3700e-003	3.5000e-004	9.0000e-005	4.4000e-004	0.0000	4.9072	4.9072	4.7000e-004	7.9000e-004	5.1532
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2000e-004**	**0.0131**	**3.5200e-003**	**5.0000e-005**	**1.2800e-003**	**9.0000e-005**	**1.3700e-003**	**3.5000e-004**	**9.0000e-005**	**4.4000e-004**	**0.0000**	**4.9072**	**4.9072**	**4.7000e-004**	**7.9000e-004**	**5.1532**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Asphalt Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6400e-003	0.0268	0.0358	5.0000e-005		1.4400e-003	1.4400e-003		1.3300e-003	1.3300e-003	0.0000	4.3725	4.3725	1.4100e-003	0.0000	4.4078
Total	**2.6400e-003**	**0.0268**	**0.0358**	**5.0000e-005**		**1.4400e-003**	**1.4400e-003**		**1.3300e-003**	**1.3300e-003**	**0.0000**	**4.3725**	**4.3725**	**1.4100e-003**	**0.0000**	**4.4078**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.0100e-003	1.0400e-003	1.0000e-005	4.0000e-004	3.0000e-005	4.3000e-004	1.2000e-004	3.0000e-005	1.4000e-004	0.0000	1.2041	1.2041	7.0000e-005	1.7000e-004	1.2573
Worker	1.4000e-004	1.1000e-004	1.5000e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4138	0.4138	1.0000e-005	1.0000e-005	0.4171
Total	**2.5000e-004**	**3.1200e-003**	**2.5400e-003**	**1.0000e-005**	**9.3000e-004**	**3.0000e-005**	**9.6000e-004**	**2.6000e-004**	**3.0000e-005**	**2.8000e-004**	**0.0000**	**1.6179**	**1.6179**	**8.0000e-005**	**1.8000e-004**	**1.6744**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6400e-003	0.0268	0.0358	5.0000e-005		1.4400e-003	1.4400e-003		1.3300e-003	1.3300e-003	0.0000	4.3725	4.3725	1.4100e-003	0.0000	4.4078
Total	**2.6400e-003**	**0.0268**	**0.0358**	**5.0000e-005**		**1.4400e-003**	**1.4400e-003**		**1.3300e-003**	**1.3300e-003**	**0.0000**	**4.3725**	**4.3725**	**1.4100e-003**	**0.0000**	**4.4078**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.0100e-003	1.0400e-003	1.0000e-005	3.8000e-004	3.0000e-005	4.1000e-004	1.1000e-004	3.0000e-005	1.4000e-004	0.0000	1.2041	1.2041	7.0000e-005	1.7000e-004	1.2573
Worker	1.4000e-004	1.1000e-004	1.5000e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4138	0.4138	1.0000e-005	1.0000e-005	0.4171
Total	**2.5000e-004**	**3.1200e-003**	**2.5400e-003**	**1.0000e-005**	**8.7000e-004**	**3.0000e-005**	**9.0000e-004**	**2.4000e-004**	**3.0000e-005**	**2.7000e-004**	**0.0000**	**1.6179**	**1.6179**	**8.0000e-005**	**1.8000e-004**	**1.6744**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Asphalt Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0121	0.0000	0.0121	1.8400e-003	0.0000	1.8400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0121**	**0.0000**	**0.0121**	**1.8400e-003**	**0.0000**	**1.8400e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0134	3.5900e-003	5.0000e-005	1.4000e-003	1.0000e-004	1.5000e-003	3.8000e-004	9.0000e-005	4.8000e-004	0.0000	4.9993	4.9993	4.8000e-004	8.0000e-004	5.2498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0134**	**3.5900e-003**	**5.0000e-005**	**1.4000e-003**	**1.0000e-004**	**1.5000e-003**	**3.8000e-004**	**9.0000e-005**	**4.8000e-004**	**0.0000**	**4.9993**	**4.9993**	**4.8000e-004**	**8.0000e-004**	**5.2498**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.1900e-003	0.0000	5.1900e-003	7.9000e-004	0.0000	7.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.1900e-003**	**0.0000**	**5.1900e-003**	**7.9000e-004**	**0.0000**	**7.9000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0134	3.5900e-003	5.0000e-005	1.3000e-003	1.0000e-004	1.4000e-003	3.6000e-004	9.0000e-005	4.5000e-004	0.0000	4.9993	4.9993	4.8000e-004	8.0000e-004	5.2498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0134**	**3.5900e-003**	**5.0000e-005**	**1.3000e-003**	**1.0000e-004**	**1.4000e-003**	**3.6000e-004**	**9.0000e-005**	**4.5000e-004**	**0.0000**	**4.9993**	**4.9993**	**4.8000e-004**	**8.0000e-004**	**5.2498**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5197	0.0000	0.5197	0.0561	0.0000	0.0561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2914	3.2943	2.0827	5.2300e-003		0.1239	0.1239		0.1140	0.1140	0.0000	459.3743	459.3743	0.1486	0.0000	463.0886
Total	**0.2914**	**3.2943**	**2.0827**	**5.2300e-003**	**0.5197**	**0.1239**	**0.6436**	**0.0561**	**0.1140**	**0.1701**	**0.0000**	**459.3743**	**459.3743**	**0.1486**	**0.0000**	**463.0886**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	6.1100e-003	2.1000e-003	2.0000e-005	8.2000e-004	6.0000e-005	8.8000e-004	2.4000e-004	5.0000e-005	2.9000e-004	0.0000	2.4458	2.4458	1.4000e-004	3.5000e-004	2.5538
Worker	3.4300e-003	2.5800e-003	0.0356	1.1000e-004	0.0125	7.0000e-005	0.0126	3.3200e-003	6.0000e-005	3.3800e-003	0.0000	9.8057	9.8057	2.4000e-004	2.5000e-004	9.8853
Total	**3.6400e-003**	**8.6900e-003**	**0.0377**	**1.3000e-004**	**0.0133**	**1.3000e-004**	**0.0134**	**3.5600e-003**	**1.1000e-004**	**3.6700e-003**	**0.0000**	**12.2515**	**12.2515**	**3.8000e-004**	**6.0000e-004**	**12.4391**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2222	0.0000	0.2222	0.0240	0.0000	0.0240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2914	3.2943	2.0827	5.2300e-003		0.1239	0.1239		0.1140	0.1140	0.0000	459.3737	459.3737	0.1486	0.0000	463.0880
Total	**0.2914**	**3.2943**	**2.0827**	**5.2300e-003**	**0.2222**	**0.1239**	**0.3461**	**0.0240**	**0.1140**	**0.1380**	**0.0000**	**459.3737**	**459.3737**	**0.1486**	**0.0000**	**463.0880**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	6.1100e-003	2.1000e-003	2.0000e-005	7.7000e-004	6.0000e-005	8.2000e-004	2.2000e-004	5.0000e-005	2.8000e-004	0.0000	2.4458	2.4458	1.4000e-004	3.5000e-004	2.5538
Worker	3.4300e-003	2.5800e-003	0.0356	1.1000e-004	0.0115	7.0000e-005	0.0116	3.0800e-003	6.0000e-005	3.1400e-003	0.0000	9.8057	9.8057	2.4000e-004	2.5000e-004	9.8853
Total	**3.6400e-003**	**8.6900e-003**	**0.0377**	**1.3000e-004**	**0.0123**	**1.3000e-004**	**0.0124**	**3.3000e-003**	**1.1000e-004**	**3.4200e-003**	**0.0000**	**12.2515**	**12.2515**	**3.8000e-004**	**6.0000e-004**	**12.4391**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5197	0.0000	0.5197	0.0561	0.0000	0.0561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1406	1.5302	1.0232	2.6500e-003		0.0579	0.0579		0.0532	0.0532	0.0000	233.1691	233.1691	0.0754	0.0000	235.0544
Total	**0.1406**	**1.5302**	**1.0232**	**2.6500e-003**	**0.5197**	**0.0579**	**0.5775**	**0.0561**	**0.0532**	**0.1093**	**0.0000**	**233.1691**	**233.1691**	**0.0754**	**0.0000**	**235.0544**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.4200e-003	9.7000e-004	1.0000e-005	4.2000e-004	1.0000e-005	4.3000e-004	1.2000e-004	1.0000e-005	1.3000e-004	0.0000	1.1829	1.1829	7.0000e-005	1.7000e-004	1.2353
Worker	1.6300e-003	1.1700e-003	0.0168	5.0000e-005	6.3400e-003	3.0000e-005	6.3700e-003	1.6800e-003	3.0000e-005	1.7100e-003	0.0000	4.8203	4.8203	1.1000e-004	1.2000e-004	4.8578
Total	**1.7000e-003**	**3.5900e-003**	**0.0178**	**6.0000e-005**	**6.7600e-003**	**4.0000e-005**	**6.8000e-003**	**1.8000e-003**	**4.0000e-005**	**1.8400e-003**	**0.0000**	**6.0032**	**6.0032**	**1.8000e-004**	**2.9000e-004**	**6.0931**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2222	0.0000	0.2222	0.0240	0.0000	0.0240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1406	1.5302	1.0232	2.6500e-003		0.0579	0.0579		0.0532	0.0532	0.0000	233.1689	233.1689	0.0754	0.0000	235.0542
Total	**0.1406**	**1.5302**	**1.0232**	**2.6500e-003**	**0.2222**	**0.0579**	**0.2800**	**0.0240**	**0.0532**	**0.0772**	**0.0000**	**233.1689**	**233.1689**	**0.0754**	**0.0000**	**235.0542**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.4200e-003	9.7000e-004	1.0000e-005	3.9000e-004	1.0000e-005	4.0000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.1829	1.1829	7.0000e-005	1.7000e-004	1.2353
Worker	1.6300e-003	1.1700e-003	0.0168	5.0000e-005	5.8500e-003	3.0000e-005	5.8800e-003	1.5600e-003	3.0000e-005	1.5900e-003	0.0000	4.8203	4.8203	1.1000e-004	1.2000e-004	4.8578
Total	**1.7000e-003**	**3.5900e-003**	**0.0178**	**6.0000e-005**	**6.2400e-003**	**4.0000e-005**	**6.2800e-003**	**1.6700e-003**	**4.0000e-005**	**1.7100e-003**	**0.0000**	**6.0032**	**6.0032**	**1.8000e-004**	**2.9000e-004**	**6.0931**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation Soil Haul 2022 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4400e-003	0.0000	1.4400e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.4400e-003**	**0.0000**	**1.4400e-003**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.3700e-003	0.2602	0.0699	9.5000e-004	0.0273	1.8700e-003	0.0292	7.4800e-003	1.7900e-003	9.2800e-003	0.0000	97.4701	97.4701	9.2900e-003	0.0156	102.3546
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.3700e-003**	**0.2602**	**0.0699**	**9.5000e-004**	**0.0273**	**1.8700e-003**	**0.0292**	**7.4800e-003**	**1.7900e-003**	**9.2800e-003**	**0.0000**	**97.4701**	**97.4701**	**9.2900e-003**	**0.0156**	**102.3546**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.1000e-004	0.0000	6.1000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**6.1000e-004**	**0.0000**	**6.1000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.3700e-003	0.2602	0.0699	9.5000e-004	0.0254	1.8700e-003	0.0273	7.0300e-003	1.7900e-003	8.8200e-003	0.0000	97.4701	97.4701	9.2900e-003	0.0156	102.3546
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.3700e-003**	**0.2602**	**0.0699**	**9.5000e-004**	**0.0254**	**1.8700e-003**	**0.0273**	**7.0300e-003**	**1.7900e-003**	**8.8200e-003**	**0.0000**	**97.4701**	**97.4701**	**9.2900e-003**	**0.0156**	**102.3546**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Site Preparation Soil Haul 2023 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.3000e-004	0.0000	7.3000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**7.3000e-004**	**0.0000**	**7.3000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6400e-003	0.1011	0.0331	4.5000e-004	0.0139	6.2000e-004	0.0145	3.8000e-003	5.9000e-004	4.3900e-003	0.0000	46.8101	46.8101	4.7200e-003	7.5100e-003	49.1658
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6400e-003**	**0.1011**	**0.0331**	**4.5000e-004**	**0.0139**	**6.2000e-004**	**0.0145**	**3.8000e-003**	**5.9000e-004**	**4.3900e-003**	**0.0000**	**46.8101**	**46.8101**	**4.7200e-003**	**7.5100e-003**	**49.1658**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.1000e-004	0.0000	3.1000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**3.1000e-004**	**0.0000**	**3.1000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6400e-003	0.1011	0.0331	4.5000e-004	0.0129	6.2000e-004	0.0135	3.5700e-003	5.9000e-004	4.1600e-003	0.0000	46.8101	46.8101	4.7200e-003	7.5100e-003	49.1658
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6400e-003**	**0.1011**	**0.0331**	**4.5000e-004**	**0.0129**	**6.2000e-004**	**0.0135**	**3.5700e-003**	**5.9000e-004**	**4.1600e-003**	**0.0000**	**46.8101**	**46.8101**	**4.7200e-003**	**7.5100e-003**	**49.1658**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0853	0.7938	0.7150	1.5100e-003		0.0332	0.0332		0.0310	0.0310	0.0000	128.9587	128.9587	0.0378	0.0000	129.9033
Total	**0.0853**	**0.7938**	**0.7150**	**1.5100e-003**		**0.0332**	**0.0332**		**0.0310**	**0.0310**	**0.0000**	**128.9587**	**128.9587**	**0.0378**	**0.0000**	**129.9033**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0132	0.4893	0.1965	2.4000e-003	0.0840	2.4000e-003	0.0864	0.0242	2.3000e-003	0.0265	0.0000	238.8832	238.8832	0.0142	0.0343	249.4601
Worker	0.0964	0.0689	0.9936	3.1100e-003	0.3749	1.9500e-003	0.3769	0.0996	1.7900e-003	0.1014	0.0000	285.0693	285.0693	6.6400e-003	6.8900e-003	287.2871
Total	**0.1097**	**0.5582**	**1.1901**	**5.5100e-003**	**0.4589**	**4.3500e-003**	**0.4633**	**0.1238**	**4.0900e-003**	**0.1279**	**0.0000**	**523.9524**	**523.9524**	**0.0208**	**0.0412**	**536.7471**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0853	0.7938	0.7150	1.5100e-003		0.0332	0.0332		0.0310	0.0310	0.0000	128.9586	128.9586	0.0378	0.0000	129.9031
Total	**0.0853**	**0.7938**	**0.7150**	**1.5100e-003**		**0.0332**	**0.0332**		**0.0310**	**0.0310**	**0.0000**	**128.9586**	**128.9586**	**0.0378**	**0.0000**	**129.9031**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0132	0.4893	0.1965	2.4000e-003	0.0786	2.4000e-003	0.0810	0.0229	2.3000e-003	0.0252	0.0000	238.8832	238.8832	0.0142	0.0343	249.4601
Worker	0.0964	0.0689	0.9936	3.1100e-003	0.3457	1.9500e-003	0.3476	0.0924	1.7900e-003	0.0942	0.0000	285.0693	285.0693	6.6400e-003	6.8900e-003	287.2871
Total	**0.1097**	**0.5582**	**1.1901**	**5.5100e-003**	**0.4243**	**4.3500e-003**	**0.4286**	**0.1153**	**4.0900e-003**	**0.1194**	**0.0000**	**523.9524**	**523.9524**	**0.0208**	**0.0412**	**536.7471**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0918	0.8368	0.7721	1.6600e-003		0.0343	0.0343		0.0321	0.0321	0.0000	141.9441	141.9441	0.0416	0.0000	142.9837
Total	**0.0918**	**0.8368**	**0.7721**	**1.6600e-003**		**0.0343**	**0.0343**		**0.0321**	**0.0321**	**0.0000**	**141.9441**	**141.9441**	**0.0416**	**0.0000**	**142.9837**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.5370	0.2147	2.5900e-003	0.0924	2.7700e-003	0.0952	0.0267	2.6500e-003	0.0293	0.0000	258.8967	258.8967	0.0158	0.0373	270.4161
Worker	0.0999	0.0681	1.0187	3.3100e-003	0.4127	2.0300e-003	0.4148	0.1096	1.8700e-003	0.1115	0.0000	303.8673	303.8673	6.6300e-003	7.0900e-003	306.1447
Total	**0.1142**	**0.6051**	**1.2334**	**5.9000e-003**	**0.5052**	**4.8000e-003**	**0.5100**	**0.1363**	**4.5200e-003**	**0.1408**	**0.0000**	**562.7640**	**562.7640**	**0.0224**	**0.0444**	**576.5608**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0918	0.8368	0.7721	1.6600e-003		0.0343	0.0343		0.0321	0.0321	0.0000	141.9439	141.9439	0.0416	0.0000	142.9835
Total	**0.0918**	**0.8368**	**0.7721**	**1.6600e-003**		**0.0343**	**0.0343**		**0.0321**	**0.0321**	**0.0000**	**141.9439**	**141.9439**	**0.0416**	**0.0000**	**142.9835**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.5370	0.2147	2.5900e-003	0.0865	2.7700e-003	0.0893	0.0252	2.6500e-003	0.0279	0.0000	258.8967	258.8967	0.0158	0.0373	270.4161
Worker	0.0999	0.0681	1.0187	3.3100e-003	0.3805	2.0300e-003	0.3826	0.1017	1.8700e-003	0.1036	0.0000	303.8673	303.8673	6.6300e-003	7.0900e-003	306.1447
Total	**0.1142**	**0.6051**	**1.2334**	**5.9000e-003**	**0.4671**	**4.8000e-003**	**0.4719**	**0.1269**	**4.5200e-003**	**0.1314**	**0.0000**	**562.7640**	**562.7640**	**0.0224**	**0.0444**	**576.5608**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0653	0.5775	0.5593	1.2400e-003		0.0231	0.0231		0.0216	0.0216	0.0000	105.6575	105.6575	0.0310	0.0000	106.4314
Total	**0.0653**	**0.5775**	**0.5593**	**1.2400e-003**		**0.0231**	**0.0231**		**0.0216**	**0.0216**	**0.0000**	**105.6575**	**105.6575**	**0.0310**	**0.0000**	**106.4314**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0105	0.3977	0.1591	1.8900e-003	0.0688	2.0700e-003	0.0709	0.0198	1.9800e-003	0.0218	0.0000	189.0855	189.0855	0.0119	0.0274	197.5420
Worker	0.0702	0.0459	0.7121	2.3800e-003	0.3072	1.4500e-003	0.3086	0.0816	1.3300e-003	0.0829	0.0000	218.4767	218.4767	4.4900e-003	4.9600e-003	220.0669
Total	**0.0808**	**0.4436**	**0.8712**	**4.2700e-003**	**0.3760**	**3.5200e-003**	**0.3795**	**0.1014**	**3.3100e-003**	**0.1047**	**0.0000**	**407.5622**	**407.5622**	**0.0164**	**0.0323**	**417.6089**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0653	0.5775	0.5593	1.2400e-003		0.0231	0.0231		0.0216	0.0216	0.0000	105.6574	105.6574	0.0310	0.0000	106.4312
Total	**0.0653**	**0.5775**	**0.5593**	**1.2400e-003**		**0.0231**	**0.0231**		**0.0216**	**0.0216**	**0.0000**	**105.6574**	**105.6574**	**0.0310**	**0.0000**	**106.4312**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0105	0.3977	0.1591	1.8900e-003	0.0644	2.0700e-003	0.0665	0.0188	1.9800e-003	0.0208	0.0000	189.0855	189.0855	0.0119	0.0274	197.5420
Worker	0.0702	0.0459	0.7121	2.3800e-003	0.2832	1.4500e-003	0.2847	0.0757	1.3300e-003	0.0770	0.0000	218.4767	218.4767	4.4900e-003	4.9600e-003	220.0669
Total	**0.0808**	**0.4436**	**0.8712**	**4.2700e-003**	**0.3476**	**3.5200e-003**	**0.3512**	**0.0945**	**3.3100e-003**	**0.0978**	**0.0000**	**407.5622**	**407.5622**	**0.0164**	**0.0323**	**417.6089**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Retail Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2578					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5800e-003	0.0652	0.0906	1.5000e-004		3.5400e-003	3.5400e-003		3.5400e-003	3.5400e-003	0.0000	12.7663	12.7663	7.6000e-004	0.0000	12.7854
Total	**1.2674**	**0.0652**	**0.0906**	**1.5000e-004**		**3.5400e-003**	**3.5400e-003**		**3.5400e-003**	**3.5400e-003**	**0.0000**	**12.7663**	**12.7663**	**7.6000e-004**	**0.0000**	**12.7854**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4800e-003	1.0600e-003	0.0153	5.0000e-005	5.7600e-003	3.0000e-005	5.7900e-003	1.5300e-003	3.0000e-005	1.5600e-003	0.0000	4.3821	4.3821	1.0000e-004	1.1000e-004	4.4162
Total	**1.4800e-003**	**1.0600e-003**	**0.0153**	**5.0000e-005**	**5.7600e-003**	**3.0000e-005**	**5.7900e-003**	**1.5300e-003**	**3.0000e-005**	**1.5600e-003**	**0.0000**	**4.3821**	**4.3821**	**1.0000e-004**	**1.1000e-004**	**4.4162**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2578					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5800e-003	0.0652	0.0906	1.5000e-004		3.5400e-003	3.5400e-003		3.5400e-003	3.5400e-003	0.0000	12.7663	12.7663	7.6000e-004	0.0000	12.7854
Total	**1.2674**	**0.0652**	**0.0906**	**1.5000e-004**		**3.5400e-003**	**3.5400e-003**		**3.5400e-003**	**3.5400e-003**	**0.0000**	**12.7663**	**12.7663**	**7.6000e-004**	**0.0000**	**12.7854**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4800e-003	1.0600e-003	0.0153	5.0000e-005	5.3100e-003	3.0000e-005	5.3400e-003	1.4200e-003	3.0000e-005	1.4500e-003	0.0000	4.3821	4.3821	1.0000e-004	1.1000e-004	4.4162
Total	**1.4800e-003**	**1.0600e-003**	**0.0153**	**5.0000e-005**	**5.3100e-003**	**3.0000e-005**	**5.3400e-003**	**1.4200e-003**	**3.0000e-005**	**1.4500e-003**	**0.0000**	**4.3821**	**4.3821**	**1.0000e-004**	**1.1000e-004**	**4.4162**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Finishing and Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9600e-003	0.0582	0.0232	9.0000e-005		1.8900e-003	1.8900e-003		1.7400e-003	1.7400e-003	0.0000	8.1348	8.1348	2.6300e-003	0.0000	8.2006
Total	**4.9600e-003**	**0.0582**	**0.0232**	**9.0000e-005**		**1.8900e-003**	**1.8900e-003**		**1.7400e-003**	**1.7400e-003**	**0.0000**	**8.1348**	**8.1348**	**2.6300e-003**	**0.0000**	**8.2006**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	6.0000e-005	8.9000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2667	0.2667	1.0000e-005	1.0000e-005	0.2687
Total	**9.0000e-005**	**6.0000e-005**	**8.9000e-004**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2667**	**0.2667**	**1.0000e-005**	**1.0000e-005**	**0.2687**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9600e-003	0.0582	0.0232	9.0000e-005		1.8900e-003	1.8900e-003		1.7400e-003	1.7400e-003	0.0000	8.1348	8.1348	2.6300e-003	0.0000	8.2006
Total	**4.9600e-003**	**0.0582**	**0.0232**	**9.0000e-005**		**1.8900e-003**	**1.8900e-003**		**1.7400e-003**	**1.7400e-003**	**0.0000**	**8.1348**	**8.1348**	**2.6300e-003**	**0.0000**	**8.2006**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	6.0000e-005	8.9000e-004	0.0000	3.3000e-004	0.0000	3.4000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2667	0.2667	1.0000e-005	1.0000e-005	0.2687
Total	**9.0000e-005**	**6.0000e-005**	**8.9000e-004**	**0.0000**	**3.3000e-004**	**0.0000**	**3.4000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2667**	**0.2667**	**1.0000e-005**	**1.0000e-005**	**0.2687**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1700e-003	0.0124	0.0141	3.0000e-005		5.3000e-004	5.3000e-004		4.8000e-004	4.8000e-004	0.0000	2.7987	2.7987	9.1000e-004	0.0000	2.8213
Paving	9.6800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.0124**	**0.0141**	**3.0000e-005**		**5.3000e-004**	**5.3000e-004**		**4.8000e-004**	**4.8000e-004**	**0.0000**	**2.7987**	**2.7987**	**9.1000e-004**	**0.0000**	**2.8213**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1616	0.1616	0.0000	0.0000	0.1629
Total	**5.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1616**	**0.1616**	**0.0000**	**0.0000**	**0.1629**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1700e-003	0.0124	0.0141	3.0000e-005		5.3000e-004	5.3000e-004		4.8000e-004	4.8000e-004	0.0000	2.7987	2.7987	9.1000e-004	0.0000	2.8213
Paving	9.6800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.0124**	**0.0141**	**3.0000e-005**		**5.3000e-004**	**5.3000e-004**		**4.8000e-004**	**4.8000e-004**	**0.0000**	**2.7987**	**2.7987**	**9.1000e-004**	**0.0000**	**2.8213**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1616	0.1616	0.0000	0.0000	0.1629
Total	**5.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1616**	**0.1616**	**0.0000**	**0.0000**	**0.1629**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Residential Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3657					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0113	0.0756	0.1194	2.0000e-004		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	16.8515	16.8515	9.2000e-004	0.0000	16.8745
Total	**1.3769**	**0.0756**	**0.1194**	**2.0000e-004**		**3.4000e-003**	**3.4000e-003**		**3.4000e-003**	**3.4000e-003**	**0.0000**	**16.8515**	**16.8515**	**9.2000e-004**	**0.0000**	**16.8745**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7400e-003	1.1400e-003	0.0176	6.0000e-005	7.6100e-003	4.0000e-005	7.6400e-003	2.0200e-003	3.0000e-005	2.0500e-003	0.0000	5.4107	5.4107	1.1000e-004	1.2000e-004	5.4501
Total	**1.7400e-003**	**1.1400e-003**	**0.0176**	**6.0000e-005**	**7.6100e-003**	**4.0000e-005**	**7.6400e-003**	**2.0200e-003**	**3.0000e-005**	**2.0500e-003**	**0.0000**	**5.4107**	**5.4107**	**1.1000e-004**	**1.2000e-004**	**5.4501**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3657					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0113	0.0756	0.1194	2.0000e-004		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	16.8515	16.8515	9.2000e-004	0.0000	16.8744
Total	**1.3769**	**0.0756**	**0.1194**	**2.0000e-004**		**3.4000e-003**	**3.4000e-003**		**3.4000e-003**	**3.4000e-003**	**0.0000**	**16.8515**	**16.8515**	**9.2000e-004**	**0.0000**	**16.8744**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7400e-003	1.1400e-003	0.0176	6.0000e-005	7.0100e-003	4.0000e-005	7.0500e-003	1.8700e-003	3.0000e-005	1.9100e-003	0.0000	5.4107	5.4107	1.1000e-004	1.2000e-004	5.4501
Total	**1.7400e-003**	**1.1400e-003**	**0.0176**	**6.0000e-005**	**7.0100e-003**	**4.0000e-005**	**7.0500e-003**	**1.8700e-003**	**3.0000e-005**	**1.9100e-003**	**0.0000**	**5.4107**	**5.4107**	**1.1000e-004**	**1.2000e-004**	**5.4501**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Brea Mall Mixed-Use Project (Option 1) Construction Run

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	476.80	1000sqft	5.47	476,800.00	0
Other Asphalt Surfaces	192.00	1000sqft	4.41	192,000.00	0
Other Non-Asphalt Surfaces	124.72	1000sqft	2.86	124,717.00	0
Parking Lot	129.81	1000sqft	2.98	129,809.00	0
Health Club	128.00	1000sqft	0.98	128,000.00	0
Apartments Mid Rise	390.00	Dwelling Unit	0.00	436,500.00	1115
Regional Shopping Center	119.42	1000sqft	0.80	119,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - structures are comprised of multiple stories

Construction Phase - based on information provided by applicant. see project description for construction durations

Off-road Equipment - based on information provided by the applicant

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - no additional equipment required for asphalt demolition debris haul

Off-road Equipment - based on information provided by applicant

Off-road Equipment - no additional equipment required for building demolition haul

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - no additional equipment required for site preparation soil haul

Off-road Equipment - no additional equipment required for site preparation soil haul

Trips and VMT - assumes 4 vt/water truck/day. Assumes that 2 dump trucks will be used for asphalt demo haul. Building Construction and Arch Coat are calculated based on CalEEMod Appendix A rates

Demolition -

Grading -

Architectural Coating - see assumptions file for calculations. Parking only accounts for parking area and driveways

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	123,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	371,123.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,400.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,400.00	47,917.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	294,638.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	883,913.00	0.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	66.00

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	300.00	695.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	98.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	10.00	33.00
tblGrading	MaterialExported	0.00	25,416.00
tblGrading	MaterialExported	0.00	12,904.00
tblLandUse	LandUseSquareFeet	124,720.00	124,717.00
tblLandUse	LandUseSquareFeet	129,810.00	129,809.00
tblLandUse	LandUseSquareFeet	390,000.00	436,500.00
tblLandUse	LandUseSquareFeet	119,420.00	119,415.00
tblLandUse	LotAcreage	10.95	5.47
tblLandUse	LotAcreage	2.94	0.98
tblLandUse	LotAcreage	10.26	0.00
tblLandUse	LotAcreage	2.74	0.80
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	158.00	131.00
tblOffRoadEquipment	HorsePower	130.00	188.00
tblOffRoadEquipment	HorsePower	80.00	86.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	101.00

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	367.00	365.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblTripsAndVMT	HaulingTripNumber	158.00	160.00
tblTripsAndVMT	HaulingTripNumber	112.00	163.00
tblTripsAndVMT	HaulingTripNumber	3,177.00	3,178.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	234.00	112.00
tblTripsAndVMT	WorkerTripNumber	152.00	21.00
tblTripsAndVMT	WorkerTripNumber	761.00	287.00
tblTripsAndVMT	WorkerTripNumber	152.00	21.00

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.2759	109.2263	67.4349	0.1943	11.9187	3.8737	15.7924	1.7867	3.5659	5.0624	0.0000	19,313.9056	19,313.9056	5.3671	0.6096	19,611.7042
2023	52.3932	109.8825	81.5387	0.2522	15.8426	3.8621	19.7047	2.5532	3.5591	6.1123	0.0000	25,258.1148	25,258.1148	5.9071	0.8964	25,672.9244
2024	6.3907	21.0297	23.7143	0.0808	4.0471	0.6813	4.7283	1.0895	0.6313	1.7208	0.0000	8,171.5224	8,171.5224	1.2022	0.3711	8,312.1686
2025	43.2741	12.5601	19.1786	0.0652	4.1588	0.3768	4.5356	1.1191	0.3595	1.4786	0.0000	6,640.0993	6,640.0993	0.5684	0.3650	6,763.0658
Maximum	**52.3932**	**109.8825**	**81.5387**	**0.2522**	**15.8426**	**3.8737**	**19.7047**	**2.5532**	**3.5659**	**6.1123**	**0.0000**	**25,258.1148**	**25,258.1148**	**5.9071**	**0.8964**	**25,672.9244**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.2759	109.2263	67.4349	0.1943	5.7316	3.8737	9.6053	0.9222	3.5659	4.3808	0.0000	19,313.9056	19,313.9056	5.3671	0.6096	19,611.7042
2023	52.3932	109.8825	81.5387	0.2522	9.3585	3.8621	13.2206	1.7987	3.5591	5.3579	0.0000	25,258.1148	25,258.1148	5.9071	0.8964	25,672.9244
2024	6.3907	21.0297	23.7143	0.0808	3.7405	0.6813	4.4217	1.0142	0.6313	1.6456	0.0000	8,171.5224	8,171.5224	1.2022	0.3711	8,312.1686
2025	43.2741	12.5601	19.1786	0.0652	3.8435	0.3768	4.2203	1.0417	0.3595	1.4012	0.0000	6,640.0993	6,640.0993	0.5684	0.3650	6,763.0658
Maximum	**52.3932**	**109.8825**	**81.5387**	**0.2522**	**9.3585**	**3.8737**	**13.2206**	**1.7987**	**3.5659**	**5.3579**	**0.0000**	**25,258.1148**	**25,258.1148**	**5.9071**	**0.8964**	**25,672.9244**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	36.96	0.00	29.70	27.05	0.00	11.05	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Demolition	Demolition	6/1/2022	9/30/2022	5	88	
2	Building Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	
3	Asphalt Demolition	Demolition	7/1/2022	8/15/2022	5	32	
4	Asphalt Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	
5	Site Preparation	Site Preparation	10/1/2022	2/15/2023	5	98	
6	Site Preparation Soil Haul 2022	Site Preparation	10/1/2022	12/31/2022	5	65	
7	Site Preparation Soil Haul 2023	Site Preparation	1/1/2023	2/15/2023	5	33	
8	Retail and Residential Building A Building Construction	Building Construction	2/1/2023	9/30/2025	5	695	
9	Retail Architectural Coating	Architectural Coating	10/15/2023	12/23/2023	5	50	
10	Finishing and Landscaping	Trenching	4/1/2024	4/30/2024	5	22	
11	Paving	Paving	4/1/2024	4/7/2024	5	5	
12	Residential Architectural Coating	Architectural Coating	7/1/2025	9/30/2025	5	66	

Acres of Grading (Site Preparation Phase): 980

Acres of Grading (Grading Phase): 0

Acres of Paving: 15.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 371,123; Non-Residential Outdoor: 123,708; Striped Parking Area: 47,917

OffRoad Equipment

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Building Demolition	Excavators	2	8.00	131	0.38
Building Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Debris Haul	Excavators	0	8.00	158	0.38
Building Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38
Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Excavators	1	8.00	101	0.38
Site Preparation	Graders	4	8.00	238	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	8	8.00	365	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation Soil Haul 2022	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2022	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation Soil Haul 2023	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2023	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Retail and Residential Building A Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73
Retail and Residential Building A Building Construction	Cranes	1	8.00	300	0.29

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Retail and Residential Building A Building Construction	Forklifts	0	8.00	89	0.20
Retail and Residential Building A Building Construction	Generator Sets	0	8.00	84	0.74
Retail and Residential Building A Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Retail and Residential Building A Building Construction	Welders	0	8.00	46	0.45
Retail Architectural Coating	Air Compressors	2	6.00	78	0.48
Residential Architectural Coating	Air Compressors	2	6.00	78	0.48
Paving	Pavers	1	8.00	188	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	8.00	86	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Finishing and Landscaping	Graders	1	8.00	238	0.41

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Demolition	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Debris Haul	0	0.00	0.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition Debris Haul	0	0.00	0.00	163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2022	0	0.00	0.00	3,178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2023	0	0.00	0.00	1,613.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail and Residential Building A Building	3	287.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail Architectural Coating	2	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Architectural Coating	2	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing and Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7282	11.3102	12.7732	0.0358		0.4637	0.4637		0.4451	0.4451		3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**1.7282**	**11.3102**	**12.7732**	**0.0358**		**0.4637**	**0.4637**		**0.4451**	**0.4451**		**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6700e-003	9.0300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.0301	0.0202	0.3286	9.7000e-004	0.1118	6.0000e-004	0.1124	0.0296	5.5000e-004	0.0302		98.4712	98.4712	2.3200e-003	2.2100e-003	99.1885
Total	**0.0367**	**0.1997**	**0.3924**	**1.7300e-003**	**0.1374**	**2.3500e-003**	**0.1397**	**0.0370**	**2.2200e-003**	**0.0392**		**181.4142**	**181.4142**	**7.0700e-003**	**0.0141**	**185.7925**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7282	11.3102	12.7732	0.0358		0.4637	0.4637		0.4451	0.4451	0.0000	3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**1.7282**	**11.3102**	**12.7732**	**0.0358**		**0.4637**	**0.4637**		**0.4451**	**0.4451**	**0.0000**	**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6700e-003	8.6300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.0301	0.0202	0.3286	9.7000e-004	0.1030	6.0000e-004	0.1036	0.0275	5.5000e-004	0.0281		98.4712	98.4712	2.3200e-003	2.2100e-003	99.1885
Total	**0.0367**	**0.1997**	**0.3924**	**1.7300e-003**	**0.1270**	**2.3500e-003**	**0.1293**	**0.0345**	**2.2200e-003**	**0.0367**		**181.4142**	**181.4142**	**7.0700e-003**	**0.0141**	**185.7925**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7064	0.0000	5.7064	0.8640	0.0000	0.8640			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.7064**	**0.0000**	**5.7064**	**0.8640**	**0.0000**	**0.8640**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1080	4.1518	1.1662	0.0159	0.4651	0.0314	0.4965	0.1274	0.0301	0.1574		1,802.9238	1,802.9238	0.1719	0.2888	1,893.2714
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1080**	**4.1518**	**1.1662**	**0.0159**	**0.4651**	**0.0314**	**0.4965**	**0.1274**	**0.0301**	**0.1574**		**1,802.9238**	**1,802.9238**	**0.1719**	**0.2888**	**1,893.2714**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4395	0.0000	2.4395	0.3694	0.0000	0.3694			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.4395**	**0.0000**	**2.4395**	**0.3694**	**0.0000**	**0.3694**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1080	4.1518	1.1662	0.0159	0.4334	0.0314	0.4648	0.1196	0.0301	0.1496		1,802.9238	1,802.9238	0.1719	0.2888	1,893.2714
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1080**	**4.1518**	**1.1662**	**0.0159**	**0.4334**	**0.0314**	**0.4648**	**0.1196**	**0.0301**	**0.1496**		**1,802.9238**	**1,802.9238**	**0.1719**	**0.2888**	**1,893.2714**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Asphalt Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Total	**0.1647**	**1.6756**	**2.2379**	**3.1100e-003**		**0.0901**	**0.0901**		**0.0829**	**0.0829**		**301.2390**	**301.2390**	**0.0974**		**303.6746**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6700e-003	9.0300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	9.0200e-003	6.0600e-003	0.0986	2.9000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.7000e-004	9.0600e-003		29.5414	29.5414	6.9000e-004	6.6000e-004	29.7566
Total	**0.0157**	**0.1855**	**0.1623**	**1.0500e-003**	**0.0591**	**1.9300e-003**	**0.0610**	**0.0163**	**1.8400e-003**	**0.0181**		**112.4844**	**112.4844**	**5.4400e-003**	**0.0126**	**116.3606**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
Total	**0.1647**	**1.6756**	**2.2379**	**3.1100e-003**		**0.0901**	**0.0901**		**0.0829**	**0.0829**	**0.0000**	**301.2390**	**301.2390**	**0.0974**		**303.6746**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6700e-003	8.6300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	9.0200e-003	6.0600e-003	0.0986	2.9000e-004	0.0309	1.8000e-004	0.0311	8.2500e-003	1.7000e-004	8.4200e-003		29.5414	29.5414	6.9000e-004	6.6000e-004	29.7566
Total	**0.0157**	**0.1855**	**0.1623**	**1.0500e-003**	**0.0549**	**1.9300e-003**	**0.0568**	**0.0152**	**1.8400e-003**	**0.0171**		**112.4844**	**112.4844**	**5.4400e-003**	**0.0126**	**116.3606**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Asphalt Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0444	0.0000	4.0444	0.6124	0.0000	0.6124			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.0444**	**0.0000**	**4.0444**	**0.6124**	**0.0000**	**0.6124**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1100	4.2296	1.1881	0.0162	0.4738	0.0320	0.5058	0.1298	0.0306	0.1604		1,836.7286	1,836.7286	0.1751	0.2942	1,928.7702
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1100**	**4.2296**	**1.1881**	**0.0162**	**0.4738**	**0.0320**	**0.5058**	**0.1298**	**0.0306**	**0.1604**		**1,836.7286**	**1,836.7286**	**0.1751**	**0.2942**	**1,928.7702**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7290	0.0000	1.7290	0.2618	0.0000	0.2618			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.7290**	**0.0000**	**1.7290**	**0.2618**	**0.0000**	**0.2618**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1100	4.2296	1.1881	0.0162	0.4415	0.0320	0.4735	0.1218	0.0306	0.1524		1,836.7286	1,836.7286	0.1751	0.2942	1,928.7702
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1100**	**4.2296**	**1.1881**	**0.0162**	**0.4415**	**0.0320**	**0.4735**	**0.1218**	**0.0306**	**0.1524**		**1,836.7286**	**1,836.7286**	**0.1751**	**0.2942**	**1,928.7702**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.9659	101.3640	64.0828	0.1609		3.8122	3.8122		3.5072	3.5072		15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**8.9659**	**101.3640**	**64.0828**	**0.1609**	**10.6050**	**3.8122**	**14.4172**	**1.1451**	**3.5072**	**4.6523**		**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6700e-003	9.0300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.1053	0.0707	1.1502	3.4100e-003	0.3912	2.1100e-003	0.3933	0.1038	1.9400e-003	0.1057		344.6490	344.6490	8.1100e-003	7.7500e-003	347.1598
Total	**0.1119**	**0.2502**	**1.2140**	**4.1700e-003**	**0.4168**	**3.8600e-003**	**0.4207**	**0.1111**	**3.6100e-003**	**0.1147**		**427.5921**	**427.5921**	**0.0129**	**0.0196**	**433.7638**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	8.9659	101.3640	64.0828	0.1609		3.8122	3.8122		3.5072	3.5072	0.0000	15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**8.9659**	**101.3640**	**64.0828**	**0.1609**	**4.5336**	**3.8122**	**8.3459**	**0.4895**	**3.5072**	**3.9968**	**0.0000**	**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6700e-003	8.6300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.1053	0.0707	1.1502	3.4100e-003	0.3606	2.1100e-003	0.3627	0.0962	1.9400e-003	0.0982		344.6490	344.6490	8.1100e-003	7.7500e-003	347.1598
Total	**0.1119**	**0.2502**	**1.2140**	**4.1700e-003**	**0.3846**	**3.8600e-003**	**0.3884**	**0.1032**	**3.6100e-003**	**0.1068**		**427.5921**	**427.5921**	**0.0129**	**0.0196**	**433.7638**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.5191	92.7414	62.0147	0.1609		3.5061	3.5061		3.2256	3.2256		15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**8.5191**	**92.7414**	**62.0147**	**0.1609**	**10.6050**	**3.5061**	**14.1111**	**1.1451**	**3.2256**	**4.3707**		**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0400e-003	0.1402	0.0581	7.2000e-004	0.0256	7.2000e-004	0.0263	7.3600e-003	6.9000e-004	8.0500e-003		78.9798	78.9798	4.7000e-003	0.0113	82.4743
Worker	0.0986	0.0631	1.0688	3.3000e-003	0.3912	1.9900e-003	0.3932	0.1038	1.8400e-003	0.1056		333.6766	333.6766	7.3300e-003	7.2100e-003	336.0081
Total	**0.1026**	**0.2032**	**1.1270**	**4.0200e-003**	**0.4168**	**2.7100e-003**	**0.4195**	**0.1111**	**2.5300e-003**	**0.1136**		**412.6563**	**412.6563**	**0.0120**	**0.0185**	**418.4823**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	8.5191	92.7414	62.0147	0.1609		3.5061	3.5061		3.2256	3.2256	0.0000	15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**8.5191**	**92.7414**	**62.0147**	**0.1609**	**4.5336**	**3.5061**	**8.0398**	**0.4895**	**3.2256**	**3.7152**	**0.0000**	**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0400e-003	0.1402	0.0581	7.2000e-004	0.0239	7.2000e-004	0.0247	6.9600e-003	6.9000e-004	7.6500e-003		78.9798	78.9798	4.7000e-003	0.0113	82.4743
Worker	0.0986	0.0631	1.0688	3.3000e-003	0.3606	1.9900e-003	0.3626	0.0962	1.8400e-003	0.0981		333.6766	333.6766	7.3300e-003	7.2100e-003	336.0081
Total	**0.1026**	**0.2032**	**1.1270**	**4.0200e-003**	**0.3845**	**2.7100e-003**	**0.3873**	**0.1032**	**2.5300e-003**	**0.1057**		**412.6563**	**412.6563**	**0.0120**	**0.0185**	**418.4823**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation Soil Haul 2022 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1981	7.6121	2.1382	0.0292	0.8527	0.0576	0.9103	0.2335	0.0551	0.2886		3,305.5914	3,305.5914	0.3151	0.5294	3,471.2402
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1981**	**7.6121**	**2.1382**	**0.0292**	**0.8527**	**0.0576**	**0.9103**	**0.2335**	**0.0551**	**0.2886**		**3,305.5914**	**3,305.5914**	**0.3151**	**0.5294**	**3,471.2402**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1981	7.6121	2.1382	0.0292	0.7945	0.0576	0.8521	0.2192	0.0551	0.2743		3,305.5914	3,305.5914	0.3151	0.5294	3,471.2402
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1981**	**7.6121**	**2.1382**	**0.0292**	**0.7945**	**0.0576**	**0.8521**	**0.2192**	**0.0551**	**0.2743**		**3,305.5914**	**3,305.5914**	**0.3151**	**0.5294**	**3,471.2402**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Site Preparation Soil Haul 2023 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1019	5.8250	1.9968	0.0274	0.8524	0.0375	0.8899	0.2334	0.0359	0.2693		3,126.0457	3,126.0457	0.3154	0.5015	3,283.3653
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1019**	**5.8250**	**1.9968**	**0.0274**	**0.8524**	**0.0375**	**0.8899**	**0.2334**	**0.0359**	**0.2693**		**3,126.0457**	**3,126.0457**	**0.3154**	**0.5015**	**3,283.3653**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1019	5.8250	1.9968	0.0274	0.7943	0.0375	0.8318	0.2192	0.0359	0.2550		3,126.0457	3,126.0457	0.3154	0.5015	3,283.3653
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1019**	**5.8250**	**1.9968**	**0.0274**	**0.7943**	**0.0375**	**0.8318**	**0.2192**	**0.0359**	**0.2550**		**3,126.0457**	**3,126.0457**	**0.3154**	**0.5015**	**3,283.3653**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7168	6.6706	6.0084	0.0127		0.2793	0.2793		0.2608	0.2608		1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.7168**	**6.6706**	**6.0084**	**0.0127**		**0.2793**	**0.2793**		**0.2608**	**0.2608**		**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1131	3.9252	1.6274	0.0201	0.7162	0.0201	0.7363	0.2061	0.0193	0.2254		2,211.4331	2,211.4331	0.1315	0.3173	2,309.2793
Worker	0.8082	0.5170	8.7644	0.0271	3.2080	0.0164	3.2243	0.8508	0.0151	0.8658		2,736.1480	2,736.1480	0.0601	0.0591	2,755.2662
Total	**0.9213**	**4.4422**	**10.3918**	**0.0472**	**3.9241**	**0.0365**	**3.9606**	**1.0569**	**0.0343**	**1.0912**		**4,947.5811**	**4,947.5811**	**0.1916**	**0.3764**	**5,064.5455**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7168	6.6706	6.0084	0.0127		0.2793	0.2793		0.2608	0.2608	0.0000	1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.7168**	**6.6706**	**6.0084**	**0.0127**		**0.2793**	**0.2793**		**0.2608**	**0.2608**	**0.0000**	**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1131	3.9252	1.6274	0.0201	0.6702	0.0201	0.6903	0.1948	0.0193	0.2141		2,211.4331	2,211.4331	0.1315	0.3173	2,309.2793
Worker	0.8082	0.5170	8.7644	0.0271	2.9570	0.0164	2.9733	0.7892	0.0151	0.8042		2,736.1480	2,736.1480	0.0601	0.0591	2,755.2662
Total	**0.9213**	**4.4422**	**10.3918**	**0.0472**	**3.6272**	**0.0365**	**3.6636**	**0.9840**	**0.0343**	**1.0183**		**4,947.5811**	**4,947.5811**	**0.1916**	**0.3764**	**5,064.5455**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7005	6.3874	5.8937	0.0127		0.2619	0.2619		0.2448	0.2448		1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.7005**	**6.3874**	**5.8937**	**0.0127**		**0.2619**	**0.2619**		**0.2448**	**0.2448**		**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1114	3.9136	1.6153	0.0198	0.7161	0.0211	0.7372	0.2061	0.0202	0.2263		2,177.1273	2,177.1273	0.1329	0.3137	2,273.9358
Worker	0.7595	0.4643	8.1554	0.0262	3.2080	0.0155	3.2235	0.8508	0.0143	0.8651		2,649.2537	2,649.2537	0.0545	0.0553	2,667.0907
Total	**0.8709**	**4.3779**	**9.7707**	**0.0460**	**3.9241**	**0.0366**	**3.9607**	**1.0569**	**0.0345**	**1.0913**		**4,826.3810**	**4,826.3810**	**0.1874**	**0.3690**	**4,941.0265**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7005	6.3874	5.8937	0.0127		0.2619	0.2619		0.2448	0.2448	0.0000	1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.7005**	**6.3874**	**5.8937**	**0.0127**		**0.2619**	**0.2619**		**0.2448**	**0.2448**	**0.0000**	**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1114	3.9136	1.6153	0.0198	0.6702	0.0211	0.6912	0.1948	0.0202	0.2150		2,177.1273	2,177.1273	0.1329	0.3137	2,273.9358
Worker	0.7595	0.4643	8.1554	0.0262	2.9570	0.0155	2.9725	0.7892	0.0143	0.8035		2,649.2537	2,649.2537	0.0545	0.0553	2,667.0907
Total	**0.8709**	**4.3779**	**9.7707**	**0.0460**	**3.6271**	**0.0366**	**3.6637**	**0.9840**	**0.0345**	**1.0184**		**4,826.3810**	**4,826.3810**	**0.1874**	**0.3690**	**4,941.0265**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1098	3.8943	1.6088	0.0194	0.7161	0.0212	0.7373	0.2061	0.0203	0.2264		2,136.3693	2,136.3693	0.1346	0.3091	2,231.8581
Worker	0.7168	0.4205	7.6555	0.0253	3.2080	0.0148	3.2228	0.8508	0.0137	0.8644		2,559.0487	2,559.0487	0.0495	0.0520	2,575.7847
Total	**0.8266**	**4.3149**	**9.2643**	**0.0447**	**3.9241**	**0.0360**	**3.9601**	**1.0569**	**0.0339**	**1.0908**		**4,695.4179**	**4,695.4179**	**0.1841**	**0.3612**	**4,807.6429**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1098	3.8943	1.6088	0.0194	0.6701	0.0212	0.6913	0.1948	0.0203	0.2151		2,136.3693	2,136.3693	0.1346	0.3091	2,231.8581
Worker	0.7168	0.4205	7.6555	0.0253	2.9570	0.0148	2.9718	0.7892	0.0137	0.8028		2,559.0487	2,559.0487	0.0495	0.0520	2,575.7847
Total	**0.8266**	**4.3149**	**9.2643**	**0.0447**	**3.6271**	**0.0360**	**3.6632**	**0.9840**	**0.0339**	**1.0179**		**4,695.4179**	**4,695.4179**	**0.1841**	**0.3612**	**4,807.6429**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Retail Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.3127					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**50.6961**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0591	0.0378	0.6413	1.9800e-003	0.2347	1.2000e-003	0.2359	0.0623	1.1000e-003	0.0634		200.2060	200.2060	4.4000e-003	4.3300e-003	201.6048
Total	**0.0591**	**0.0378**	**0.6413**	**1.9800e-003**	**0.2347**	**1.2000e-003**	**0.2359**	**0.0623**	**1.1000e-003**	**0.0634**		**200.2060**	**200.2060**	**4.4000e-003**	**4.3300e-003**	**201.6048**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.3127					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**50.6961**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0591	0.0378	0.6413	1.9800e-003	0.2164	1.2000e-003	0.2176	0.0577	1.1000e-003	0.0588		200.2060	200.2060	4.4000e-003	4.3300e-003	201.6048
Total	**0.0591**	**0.0378**	**0.6413**	**1.9800e-003**	**0.2164**	**1.2000e-003**	**0.2176**	**0.0577**	**1.1000e-003**	**0.0588**		**200.2060**	**200.2060**	**4.4000e-003**	**4.3300e-003**	**201.6048**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Finishing and Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4513	5.2891	2.1082	8.4200e-003		0.1715	0.1715		0.1578	0.1578		815.1913	815.1913	0.2637		821.7826
Total	**0.4513**	**5.2891**	**2.1082**	**8.4200e-003**		**0.1715**	**0.1715**		**0.1578**	**0.1578**		**815.1913**	**815.1913**	**0.2637**		**821.7826**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9400e-003	4.8500e-003	0.0853	2.7000e-004	0.0335	1.6000e-004	0.0337	8.8900e-003	1.5000e-004	9.0400e-003		27.6926	27.6926	5.7000e-004	5.8000e-004	27.8790
Total	**7.9400e-003**	**4.8500e-003**	**0.0853**	**2.7000e-004**	**0.0335**	**1.6000e-004**	**0.0337**	**8.8900e-003**	**1.5000e-004**	**9.0400e-003**		**27.6926**	**27.6926**	**5.7000e-004**	**5.8000e-004**	**27.8790**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4513	5.2891	2.1082	8.4200e-003		0.1715	0.1715		0.1578	0.1578	0.0000	815.1913	815.1913	0.2637		821.7826
Total	**0.4513**	**5.2891**	**2.1082**	**8.4200e-003**		**0.1715**	**0.1715**		**0.1578**	**0.1578**	**0.0000**	**815.1913**	**815.1913**	**0.2637**		**821.7826**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9400e-003	4.8500e-003	0.0853	2.7000e-004	0.0309	1.6000e-004	0.0311	8.2500e-003	1.5000e-004	8.4000e-003		27.6926	27.6926	5.7000e-004	5.8000e-004	27.8790
Total	**7.9400e-003**	**4.8500e-003**	**0.0853**	**2.7000e-004**	**0.0309**	**1.6000e-004**	**0.0311**	**8.2500e-003**	**1.5000e-004**	**8.4000e-003**		**27.6926**	**27.6926**	**5.7000e-004**	**5.8000e-004**	**27.8790**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4666	4.9575	5.6292	0.0128		0.2106	0.2106		0.1938	0.1938		1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.3390**	**4.9575**	**5.6292**	**0.0128**		**0.2106**	**0.2106**		**0.1938**	**0.1938**		**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0212	0.0129	0.2273	7.3000e-004	0.0894	4.3000e-004	0.0899	0.0237	4.0000e-004	0.0241		73.8468	73.8468	1.5200e-003	1.5400e-003	74.3440
Total	**0.0212**	**0.0129**	**0.2273**	**7.3000e-004**	**0.0894**	**4.3000e-004**	**0.0899**	**0.0237**	**4.0000e-004**	**0.0241**		**73.8468**	**73.8468**	**1.5200e-003**	**1.5400e-003**	**74.3440**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4666	4.9575	5.6292	0.0128		0.2106	0.2106		0.1938	0.1938	0.0000	1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.3390**	**4.9575**	**5.6292**	**0.0128**		**0.2106**	**0.2106**		**0.1938**	**0.1938**	**0.0000**	**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0212	0.0129	0.2273	7.3000e-004	0.0824	4.3000e-004	0.0829	0.0220	4.0000e-004	0.0224		73.8468	73.8468	1.5200e-003	1.5400e-003	74.3440
Total	**0.0212**	**0.0129**	**0.2273**	**7.3000e-004**	**0.0824**	**4.3000e-004**	**0.0829**	**0.0220**	**4.0000e-004**	**0.0224**		**73.8468**	**73.8468**	**1.5200e-003**	**1.5400e-003**	**74.3440**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Residential Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	**41.7249**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**		**562.8961**	**562.8961**	**0.0307**		**563.6637**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0525	0.0308	0.5602	1.8500e-003	0.2347	1.0900e-003	0.2358	0.0623	1.0000e-003	0.0633		187.2475	187.2475	3.6200e-003	3.8100e-003	188.4721
Total	**0.0525**	**0.0308**	**0.5602**	**1.8500e-003**	**0.2347**	**1.0900e-003**	**0.2358**	**0.0623**	**1.0000e-003**	**0.0633**		**187.2475**	**187.2475**	**3.6200e-003**	**3.8100e-003**	**188.4721**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	**41.7249**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**	**0.0000**	**562.8961**	**562.8961**	**0.0307**		**563.6637**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0525	0.0308	0.5602	1.8500e-003	0.2164	1.0900e-003	0.2175	0.0577	1.0000e-003	0.0587		187.2475	187.2475	3.6200e-003	3.8100e-003	188.4721
Total	**0.0525**	**0.0308**	**0.5602**	**1.8500e-003**	**0.2164**	**1.0900e-003**	**0.2175**	**0.0577**	**1.0000e-003**	**0.0587**		**187.2475**	**187.2475**	**3.6200e-003**	**3.8100e-003**	**188.4721**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Brea Mall Mixed-Use Project (Option 1) Construction Run

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	476.80	1000sqft	5.47	476,800.00	0
Other Asphalt Surfaces	192.00	1000sqft	4.41	192,000.00	0
Other Non-Asphalt Surfaces	124.72	1000sqft	2.86	124,717.00	0
Parking Lot	129.81	1000sqft	2.98	129,809.00	0
Health Club	128.00	1000sqft	0.98	128,000.00	0
Apartments Mid Rise	390.00	Dwelling Unit	0.00	436,500.00	1115
Regional Shopping Center	119.42	1000sqft	0.80	119,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - structures are comprised of multiple stories

Construction Phase - based on information provided by applicant. see project description for construction durations

Off-road Equipment - based on information provided by the applicant

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Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - no additional equipment required for asphalt demolition debris haul

Off-road Equipment - based on information provided by applicant

Off-road Equipment - no additional equipment required for building demolition haul

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - no additional equipment required for site preparation soil haul

Off-road Equipment - no additional equipment required for site preparation soil haul

Trips and VMT - assumes 4 vt/water truck/day. Assumes that 2 dump trucks will be used for asphalt demo haul. Building Construction and Arch Coat are calculated based on CalEEMod Appendix A rates

Demolition -

Grading -

Architectural Coating - see assumptions file for calculations. Parking only accounts for parking area and driveways

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	123,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	371,123.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,400.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,400.00	47,917.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	294,638.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	883,913.00	0.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	50.00

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	300.00	695.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	98.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	10.00	33.00
tblGrading	MaterialExported	0.00	25,416.00
tblGrading	MaterialExported	0.00	12,904.00
tblLandUse	LandUseSquareFeet	124,720.00	124,717.00
tblLandUse	LandUseSquareFeet	129,810.00	129,809.00
tblLandUse	LandUseSquareFeet	390,000.00	436,500.00
tblLandUse	LandUseSquareFeet	119,420.00	119,415.00
tblLandUse	LotAcreage	10.95	5.47
tblLandUse	LotAcreage	2.94	0.98
tblLandUse	LotAcreage	10.26	0.00
tblLandUse	LotAcreage	2.74	0.80
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	158.00	131.00
tblOffRoadEquipment	HorsePower	130.00	188.00
tblOffRoadEquipment	HorsePower	80.00	86.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	101.00
tblOffRoadEquipment	HorsePower	187.00	238.00

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	367.00	365.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblTripsAndVMT	HaulingTripNumber	158.00	160.00
tblTripsAndVMT	HaulingTripNumber	112.00	163.00
tblTripsAndVMT	HaulingTripNumber	3,177.00	3,178.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	234.00	112.00
tblTripsAndVMT	WorkerTripNumber	152.00	21.00
tblTripsAndVMT	WorkerTripNumber	761.00	287.00
tblTripsAndVMT	WorkerTripNumber	152.00	21.00

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.2804	109.5393	67.3886	0.1941	11.9187	3.8738	15.7925	1.7867	3.5661	5.0625	0.0000	19,298.1933	19,298.1933	5.3669	0.6100	19,596.1826
2023	52.4699	110.3684	80.9415	0.2508	15.8426	3.8624	19.7050	2.5532	3.5593	6.1126	0.0000	25,117.5422	25,117.5422	5.9080	0.9019	25,533.9978
2024	6.4629	21.2517	23.1944	0.0796	4.0471	0.6814	4.7285	1.0895	0.6315	1.7209	0.0000	8,043.5030	8,043.5030	1.2033	0.3755	8,185.4755
2025	43.3469	12.7786	18.6797	0.0639	4.1588	0.3769	4.5358	1.1191	0.3596	1.4787	0.0000	6,512.5780	6,512.5780	0.5695	0.3692	6,636.8319
Maximum	**52.4699**	**110.3684**	**80.9415**	**0.2508**	**15.8426**	**3.8738**	**19.7050**	**2.5532**	**3.5661**	**6.1126**	**0.0000**	**25,117.5422**	**25,117.5422**	**5.9080**	**0.9019**	**25,533.9978**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.2804	109.5393	67.3886	0.1941	5.7316	3.8738	9.6054	0.9222	3.5661	4.3809	0.0000	19,298.1933	19,298.1933	5.3669	0.6100	19,596.1826
2023	52.4699	110.3684	80.9415	0.2508	9.3585	3.8624	13.2209	1.7987	3.5593	5.3581	0.0000	25,117.5422	25,117.5422	5.9080	0.9019	25,533.9978
2024	6.4629	21.2517	23.1944	0.0796	3.7405	0.6814	4.4218	1.0142	0.6315	1.6457	0.0000	8,043.5030	8,043.5030	1.2033	0.3755	8,185.4755
2025	43.3469	12.7786	18.6797	0.0639	3.8435	0.3769	4.2204	1.0417	0.3596	1.4013	0.0000	6,512.5780	6,512.5780	0.5695	0.3692	6,636.8319
Maximum	**52.4699**	**110.3684**	**80.9415**	**0.2508**	**9.3585**	**3.8738**	**13.2209**	**1.7987**	**3.5661**	**5.3581**	**0.0000**	**25,117.5422**	**25,117.5422**	**5.9080**	**0.9019**	**25,533.9978**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	36.96	0.00	29.70	27.05	0.00	11.05	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Demolition	Demolition	6/1/2022	9/30/2022	5	88	
2	Building Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	
3	Asphalt Demolition	Demolition	7/1/2022	8/15/2022	5	32	
4	Asphalt Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	
5	Site Preparation	Site Preparation	10/1/2022	2/15/2023	5	98	
6	Site Preparation Soil Haul 2022	Site Preparation	10/1/2022	12/31/2022	5	65	
7	Site Preparation Soil Haul 2023	Site Preparation	1/1/2023	2/15/2023	5	33	
8	Retail and Residential Building A Building Construction	Building Construction	2/1/2023	9/30/2025	5	695	
9	Retail Architectural Coating	Architectural Coating	10/15/2023	12/23/2023	5	50	
10	Finishing and Landscaping	Trenching	4/1/2024	4/30/2024	5	22	
11	Paving	Paving	4/1/2024	4/7/2024	5	5	
12	Residential Architectural Coating	Architectural Coating	7/1/2025	9/30/2025	5	66	

Acres of Grading (Site Preparation Phase): 980

Acres of Grading (Grading Phase): 0

Acres of Paving: 15.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 371,123; Non-Residential Outdoor: 123,708; Striped Parking Area: 47,917

OffRoad Equipment

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Building Demolition	Excavators	2	8.00	131	0.38
Building Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Debris Haul	Excavators	0	8.00	158	0.38
Building Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38
Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Excavators	1	8.00	101	0.38
Site Preparation	Graders	4	8.00	238	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	8	8.00	365	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation Soil Haul 2022	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2022	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation Soil Haul 2023	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2023	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Retail and Residential Building A Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73
Retail and Residential Building A Building Construction	Cranes	1	8.00	300	0.29

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Retail and Residential Building A Building Construction	Forklifts	0	8.00	89	0.20
Retail and Residential Building A Building Construction	Generator Sets	0	8.00	84	0.74
Retail and Residential Building A Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Retail and Residential Building A Building Construction	Welders	0	8.00	46	0.45
Retail Architectural Coating	Air Compressors	2	6.00	78	0.48
Residential Architectural Coating	Air Compressors	2	6.00	78	0.48
Paving	Pavers	1	8.00	188	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	8.00	86	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Finishing and Landscaping	Graders	1	8.00	238	0.41

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Demolition	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Debris Haul	0	0.00	0.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition Debris Haul	0	0.00	0.00	163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2022	0	0.00	0.00	3,178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2023	0	0.00	0.00	1,613.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail and Residential Building A Building	3	287.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail Architectural Coating	2	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Architectural Coating	2	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing and Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7282	11.3102	12.7732	0.0358		0.4637	0.4637		0.4451	0.4451		3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**1.7282**	**11.3102**	**12.7732**	**0.0358**		**0.4637**	**0.4637**		**0.4451**	**0.4451**		**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6800e-003	9.0400e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.0328	0.0222	0.3058	9.3000e-004	0.1118	6.0000e-004	0.1124	0.0296	5.5000e-004	0.0302		93.7501	93.7501	2.3700e-003	2.3600e-003	94.5111
Total	**0.0393**	**0.2087**	**0.3718**	**1.6900e-003**	**0.1374**	**2.3500e-003**	**0.1397**	**0.0370**	**2.2300e-003**	**0.0392**		**176.7192**	**176.7192**	**7.1100e-003**	**0.0143**	**181.1446**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7282	11.3102	12.7732	0.0358		0.4637	0.4637		0.4451	0.4451	0.0000	3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**1.7282**	**11.3102**	**12.7732**	**0.0358**		**0.4637**	**0.4637**		**0.4451**	**0.4451**	**0.0000**	**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6800e-003	8.6300e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.0328	0.0222	0.3058	9.3000e-004	0.1030	6.0000e-004	0.1036	0.0275	5.5000e-004	0.0281		93.7501	93.7501	2.3700e-003	2.3600e-003	94.5111
Total	**0.0393**	**0.2087**	**0.3718**	**1.6900e-003**	**0.1270**	**2.3500e-003**	**0.1293**	**0.0345**	**2.2300e-003**	**0.0367**		**176.7192**	**176.7192**	**7.1100e-003**	**0.0143**	**181.1446**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7064	0.0000	5.7064	0.8640	0.0000	0.8640			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.7064**	**0.0000**	**5.7064**	**0.8640**	**0.0000**	**0.8640**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1054	4.3149	1.1833	0.0159	0.4651	0.0315	0.4966	0.1274	0.0301	0.1575		1,803.3521	1,803.3521	0.1717	0.2888	1,893.7185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1054**	**4.3149**	**1.1833**	**0.0159**	**0.4651**	**0.0315**	**0.4966**	**0.1274**	**0.0301**	**0.1575**		**1,803.3521**	**1,803.3521**	**0.1717**	**0.2888**	**1,893.7185**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4395	0.0000	2.4395	0.3694	0.0000	0.3694			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.4395**	**0.0000**	**2.4395**	**0.3694**	**0.0000**	**0.3694**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1054	4.3149	1.1833	0.0159	0.4334	0.0315	0.4648	0.1196	0.0301	0.1497		1,803.3521	1,803.3521	0.1717	0.2888	1,893.7185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1054**	**4.3149**	**1.1833**	**0.0159**	**0.4334**	**0.0315**	**0.4648**	**0.1196**	**0.0301**	**0.1497**		**1,803.3521**	**1,803.3521**	**0.1717**	**0.2888**	**1,893.7185**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Asphalt Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Total	**0.1647**	**1.6756**	**2.2379**	**3.1100e-003**		**0.0901**	**0.0901**		**0.0829**	**0.0829**		**301.2390**	**301.2390**	**0.0974**		**303.6746**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6800e-003	9.0400e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	9.8300e-003	6.6600e-003	0.0917	2.8000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.7000e-004	9.0600e-003		28.1250	28.1250	7.1000e-004	7.1000e-004	28.3533
Total	**0.0164**	**0.1932**	**0.1578**	**1.0400e-003**	**0.0591**	**1.9300e-003**	**0.0610**	**0.0163**	**1.8500e-003**	**0.0181**		**111.0941**	**111.0941**	**5.4500e-003**	**0.0126**	**114.9868**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
Total	**0.1647**	**1.6756**	**2.2379**	**3.1100e-003**		**0.0901**	**0.0901**		**0.0829**	**0.0829**	**0.0000**	**301.2390**	**301.2390**	**0.0974**		**303.6746**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6800e-003	8.6300e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	9.8300e-003	6.6600e-003	0.0917	2.8000e-004	0.0309	1.8000e-004	0.0311	8.2500e-003	1.7000e-004	8.4200e-003		28.1250	28.1250	7.1000e-004	7.1000e-004	28.3533
Total	**0.0164**	**0.1932**	**0.1578**	**1.0400e-003**	**0.0549**	**1.9300e-003**	**0.0568**	**0.0152**	**1.8500e-003**	**0.0171**		**111.0941**	**111.0941**	**5.4500e-003**	**0.0126**	**114.9868**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Asphalt Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0444	0.0000	4.0444	0.6124	0.0000	0.6124			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.0444**	**0.0000**	**4.0444**	**0.6124**	**0.0000**	**0.6124**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1074	4.3958	1.2055	0.0162	0.4738	0.0321	0.5059	0.1298	0.0307	0.1604		1,837.1650	1,837.1650	0.1749	0.2943	1,929.2257
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1074**	**4.3958**	**1.2055**	**0.0162**	**0.4738**	**0.0321**	**0.5059**	**0.1298**	**0.0307**	**0.1604**		**1,837.1650**	**1,837.1650**	**0.1749**	**0.2943**	**1,929.2257**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7290	0.0000	1.7290	0.2618	0.0000	0.2618			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.7290**	**0.0000**	**1.7290**	**0.2618**	**0.0000**	**0.2618**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1074	4.3958	1.2055	0.0162	0.4415	0.0321	0.4736	0.1218	0.0307	0.1525		1,837.1650	1,837.1650	0.1749	0.2943	1,929.2257
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1074**	**4.3958**	**1.2055**	**0.0162**	**0.4415**	**0.0321**	**0.4736**	**0.1218**	**0.0307**	**0.1525**		**1,837.1650**	**1,837.1650**	**0.1749**	**0.2943**	**1,929.2257**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.9659	101.3640	64.0828	0.1609		3.8122	3.8122		3.5072	3.5072		15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**8.9659**	**101.3640**	**64.0828**	**0.1609**	**10.6050**	**3.8122**	**14.4172**	**1.1451**	**3.5072**	**4.6523**		**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6800e-003	9.0400e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.1147	0.0777	1.0704	3.2500e-003	0.3912	2.1100e-003	0.3933	0.1038	1.9400e-003	0.1057		328.1253	328.1253	8.2900e-003	8.2400e-003	330.7889
Total	**0.1212**	**0.2642**	**1.1364**	**4.0100e-003**	**0.4168**	**3.8600e-003**	**0.4207**	**0.1111**	**3.6200e-003**	**0.1147**		**411.0944**	**411.0944**	**0.0130**	**0.0201**	**417.4223**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	8.9659	101.3640	64.0828	0.1609		3.8122	3.8122		3.5072	3.5072	0.0000	15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**8.9659**	**101.3640**	**64.0828**	**0.1609**	**4.5336**	**3.8122**	**8.3459**	**0.4895**	**3.5072**	**3.9968**	**0.0000**	**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6800e-003	8.6300e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.1147	0.0777	1.0704	3.2500e-003	0.3606	2.1100e-003	0.3627	0.0962	1.9400e-003	0.0982		328.1253	328.1253	8.2900e-003	8.2400e-003	330.7889
Total	**0.1212**	**0.2642**	**1.1364**	**4.0100e-003**	**0.3846**	**3.8600e-003**	**0.3884**	**0.1032**	**3.6200e-003**	**0.1068**		**411.0944**	**411.0944**	**0.0130**	**0.0201**	**417.4223**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.5191	92.7414	62.0147	0.1609		3.5061	3.5061		3.2256	3.2256		15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**8.5191**	**92.7414**	**62.0147**	**0.1609**	**10.6050**	**3.5061**	**14.1111**	**1.1451**	**3.2256**	**4.3707**		**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9000e-003	0.1464	0.0600	7.2000e-004	0.0256	7.2000e-004	0.0263	7.3600e-003	6.9000e-004	8.0500e-003		79.0959	79.0959	4.6800e-003	0.0114	82.5978
Worker	0.1077	0.0692	0.9957	3.1400e-003	0.3912	1.9900e-003	0.3932	0.1038	1.8400e-003	0.1056		317.7237	317.7237	7.5100e-003	7.6700e-003	320.1969
Total	**0.1116**	**0.2157**	**1.0557**	**3.8600e-003**	**0.4168**	**2.7100e-003**	**0.4195**	**0.1111**	**2.5300e-003**	**0.1136**		**396.8196**	**396.8196**	**0.0122**	**0.0190**	**402.7947**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	8.5191	92.7414	62.0147	0.1609		3.5061	3.5061		3.2256	3.2256	0.0000	15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**8.5191**	**92.7414**	**62.0147**	**0.1609**	**4.5336**	**3.5061**	**8.0398**	**0.4895**	**3.2256**	**3.7152**	**0.0000**	**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9000e-003	0.1464	0.0600	7.2000e-004	0.0239	7.2000e-004	0.0247	6.9600e-003	6.9000e-004	7.6500e-003		79.0959	79.0959	4.6800e-003	0.0114	82.5978
Worker	0.1077	0.0692	0.9957	3.1400e-003	0.3606	1.9900e-003	0.3626	0.0962	1.8400e-003	0.0981		317.7237	317.7237	7.5100e-003	7.6700e-003	320.1969
Total	**0.1116**	**0.2157**	**1.0557**	**3.8600e-003**	**0.3845**	**2.7100e-003**	**0.3873**	**0.1032**	**2.5300e-003**	**0.1057**		**396.8196**	**396.8196**	**0.0122**	**0.0190**	**402.7947**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation Soil Haul 2022 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1932	7.9111	2.1695	0.0292	0.8527	0.0577	0.9104	0.2335	0.0552	0.2887		3,306.3768	3,306.3768	0.3148	0.5296	3,472.0601
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1932**	**7.9111**	**2.1695**	**0.0292**	**0.8527**	**0.0577**	**0.9104**	**0.2335**	**0.0552**	**0.2887**		**3,306.3768**	**3,306.3768**	**0.3148**	**0.5296**	**3,472.0601**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1932	7.9111	2.1695	0.0292	0.7945	0.0577	0.8523	0.2192	0.0552	0.2745		3,306.3768	3,306.3768	0.3148	0.5296	3,472.0601
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1932**	**7.9111**	**2.1695**	**0.0292**	**0.7945**	**0.0577**	**0.8523**	**0.2192**	**0.0552**	**0.2745**		**3,306.3768**	**3,306.3768**	**0.3148**	**0.5296**	**3,472.0601**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Site Preparation Soil Haul 2023 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0959	6.0728	2.0187	0.0275	0.8524	0.0376	0.8900	0.2334	0.0360	0.2694		3,128.8713	3,128.8713	0.3150	0.5019	3,286.3195
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0959**	**6.0728**	**2.0187**	**0.0275**	**0.8524**	**0.0376**	**0.8900**	**0.2334**	**0.0360**	**0.2694**		**3,128.8713**	**3,128.8713**	**0.3150**	**0.5019**	**3,286.3195**

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Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0959	6.0728	2.0187	0.0275	0.7943	0.0376	0.8319	0.2192	0.0360	0.2551		3,128.8713	3,128.8713	0.3150	0.5019	3,286.3195
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0959**	**6.0728**	**2.0187**	**0.0275**	**0.7943**	**0.0376**	**0.8319**	**0.2192**	**0.0360**	**0.2551**		**3,128.8713**	**3,128.8713**	**0.3150**	**0.5019**	**3,286.3195**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7168	6.6706	6.0084	0.0127		0.2793	0.2793		0.2608	0.2608		1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.7168**	**6.6706**	**6.0084**	**0.0127**		**0.2793**	**0.2793**		**0.2608**	**0.2608**		**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1092	4.1002	1.6794	0.0202	0.7162	0.0203	0.7364	0.2061	0.0194	0.2255		2,214.6856	2,214.6856	0.1312	0.3180	2,312.7380
Worker	0.8832	0.5677	8.1646	0.0258	3.2080	0.0164	3.2243	0.8508	0.0151	0.8658		2,605.3341	2,605.3341	0.0616	0.0629	2,625.6145
Total	**0.9924**	**4.6679**	**9.8440**	**0.0459**	**3.9241**	**0.0366**	**3.9608**	**1.0569**	**0.0344**	**1.0913**		**4,820.0197**	**4,820.0197**	**0.1928**	**0.3809**	**4,938.3524**

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Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7168	6.6706	6.0084	0.0127		0.2793	0.2793		0.2608	0.2608	0.0000	1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.7168**	**6.6706**	**6.0084**	**0.0127**		**0.2793**	**0.2793**		**0.2608**	**0.2608**	**0.0000**	**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1092	4.1002	1.6794	0.0202	0.6702	0.0203	0.6904	0.1948	0.0194	0.2142		2,214.6856	2,214.6856	0.1312	0.3180	2,312.7380
Worker	0.8832	0.5677	8.1646	0.0258	2.9570	0.0164	2.9733	0.7892	0.0151	0.8042		2,605.3341	2,605.3341	0.0616	0.0629	2,625.6145
Total	**0.9924**	**4.6679**	**9.8440**	**0.0459**	**3.6272**	**0.0366**	**3.6638**	**0.9840**	**0.0344**	**1.0184**		**4,820.0197**	**4,820.0197**	**0.1928**	**0.3809**	**4,938.3524**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7005	6.3874	5.8937	0.0127		0.2619	0.2619		0.2448	0.2448		1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.7005**	**6.3874**	**5.8937**	**0.0127**		**0.2619**	**0.2619**		**0.2448**	**0.2448**		**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1075	4.0885	1.6662	0.0198	0.7161	0.0212	0.7373	0.2061	0.0203	0.2264		2,180.4084	2,180.4084	0.1325	0.3144	2,277.4187
Worker	0.8328	0.5097	7.6057	0.0250	3.2080	0.0155	3.2235	0.8508	0.0143	0.8651		2,522.7998	2,522.7998	0.0559	0.0588	2,541.7199
Total	**0.9402**	**4.5982**	**9.2718**	**0.0448**	**3.9241**	**0.0367**	**3.9609**	**1.0569**	**0.0346**	**1.0915**		**4,703.2082**	**4,703.2082**	**0.1884**	**0.3732**	**4,819.1386**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7005	6.3874	5.8937	0.0127		0.2619	0.2619		0.2448	0.2448	0.0000	1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.7005**	**6.3874**	**5.8937**	**0.0127**		**0.2619**	**0.2619**		**0.2448**	**0.2448**	**0.0000**	**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1075	4.0885	1.6662	0.0198	0.6702	0.0212	0.6914	0.1948	0.0203	0.2151		2,180.4084	2,180.4084	0.1325	0.3144	2,277.4187
Worker	0.8328	0.5097	7.6057	0.0250	2.9570	0.0155	2.9725	0.7892	0.0143	0.8035		2,522.7998	2,522.7998	0.0559	0.0588	2,541.7199
Total	**0.9402**	**4.5982**	**9.2718**	**0.0448**	**3.6271**	**0.0367**	**3.6639**	**0.9840**	**0.0346**	**1.0186**		**4,703.2082**	**4,703.2082**	**0.1884**	**0.3732**	**4,819.1386**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1058	4.0688	1.6586	0.0194	0.7161	0.0213	0.7374	0.2061	0.0204	0.2265		2,139.6584	2,139.6584	0.1342	0.3098	2,235.3448
Worker	0.7884	0.4616	7.1442	0.0241	3.2080	0.0148	3.2228	0.8508	0.0137	0.8644		2,437.1572	2,437.1572	0.0509	0.0553	2,454.9088
Total	**0.8942**	**4.5304**	**8.8028**	**0.0435**	**3.9241**	**0.0362**	**3.9603**	**1.0569**	**0.0340**	**1.0909**		**4,576.8156**	**4,576.8156**	**0.1851**	**0.3651**	**4,690.2535**

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Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1058	4.0688	1.6586	0.0194	0.6701	0.0213	0.6915	0.1948	0.0204	0.2152		2,139.6584	2,139.6584	0.1342	0.3098	2,235.3448
Worker	0.7884	0.4616	7.1442	0.0241	2.9570	0.0148	2.9718	0.7892	0.0137	0.8028		2,437.1572	2,437.1572	0.0509	0.0553	2,454.9088
Total	**0.8942**	**4.5304**	**8.8028**	**0.0435**	**3.6271**	**0.0362**	**3.6633**	**0.9840**	**0.0340**	**1.0180**		**4,576.8156**	**4,576.8156**	**0.1851**	**0.3651**	**4,690.2535**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Retail Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.3127					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**50.6961**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0646	0.0415	0.5974	1.8900e-003	0.2347	1.2000e-003	0.2359	0.0623	1.1000e-003	0.0634		190.6342	190.6342	4.5100e-003	4.6000e-003	192.1181
Total	**0.0646**	**0.0415**	**0.5974**	**1.8900e-003**	**0.2347**	**1.2000e-003**	**0.2359**	**0.0623**	**1.1000e-003**	**0.0634**		**190.6342**	**190.6342**	**4.5100e-003**	**4.6000e-003**	**192.1181**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.3127					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**50.6961**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0646	0.0415	0.5974	1.8900e-003	0.2164	1.2000e-003	0.2176	0.0577	1.1000e-003	0.0588		190.6342	190.6342	4.5100e-003	4.6000e-003	192.1181
Total	**0.0646**	**0.0415**	**0.5974**	**1.8900e-003**	**0.2164**	**1.2000e-003**	**0.2176**	**0.0577**	**1.1000e-003**	**0.0588**		**190.6342**	**190.6342**	**4.5100e-003**	**4.6000e-003**	**192.1181**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Finishing and Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4513	5.2891	2.1082	8.4200e-003		0.1715	0.1715		0.1578	0.1578		815.1913	815.1913	0.2637		821.7826
Total	**0.4513**	**5.2891**	**2.1082**	**8.4200e-003**		**0.1715**	**0.1715**		**0.1578**	**0.1578**		**815.1913**	**815.1913**	**0.2637**		**821.7826**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7000e-003	5.3300e-003	0.0795	2.6000e-004	0.0335	1.6000e-004	0.0337	8.8900e-003	1.5000e-004	9.0400e-003		26.3707	26.3707	5.8000e-004	6.1000e-004	26.5685
Total	**8.7000e-003**	**5.3300e-003**	**0.0795**	**2.6000e-004**	**0.0335**	**1.6000e-004**	**0.0337**	**8.8900e-003**	**1.5000e-004**	**9.0400e-003**		**26.3707**	**26.3707**	**5.8000e-004**	**6.1000e-004**	**26.5685**

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Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4513	5.2891	2.1082	8.4200e-003		0.1715	0.1715		0.1578	0.1578	0.0000	815.1913	815.1913	0.2637		821.7826
Total	**0.4513**	**5.2891**	**2.1082**	**8.4200e-003**		**0.1715**	**0.1715**		**0.1578**	**0.1578**	**0.0000**	**815.1913**	**815.1913**	**0.2637**		**821.7826**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7000e-003	5.3300e-003	0.0795	2.6000e-004	0.0309	1.6000e-004	0.0311	8.2500e-003	1.5000e-004	8.4000e-003		26.3707	26.3707	5.8000e-004	6.1000e-004	26.5685
Total	**8.7000e-003**	**5.3300e-003**	**0.0795**	**2.6000e-004**	**0.0309**	**1.6000e-004**	**0.0311**	**8.2500e-003**	**1.5000e-004**	**8.4000e-003**		**26.3707**	**26.3707**	**5.8000e-004**	**6.1000e-004**	**26.5685**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4666	4.9575	5.6292	0.0128		0.2106	0.2106		0.1938	0.1938		1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.3390**	**4.9575**	**5.6292**	**0.0128**		**0.2106**	**0.2106**		**0.1938**	**0.1938**		**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0232	0.0142	0.2120	7.0000e-004	0.0894	4.3000e-004	0.0899	0.0237	4.0000e-004	0.0241		70.3220	70.3220	1.5600e-003	1.6400e-003	70.8493
Total	**0.0232**	**0.0142**	**0.2120**	**7.0000e-004**	**0.0894**	**4.3000e-004**	**0.0899**	**0.0237**	**4.0000e-004**	**0.0241**		**70.3220**	**70.3220**	**1.5600e-003**	**1.6400e-003**	**70.8493**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4666	4.9575	5.6292	0.0128		0.2106	0.2106		0.1938	0.1938	0.0000	1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.3390**	**4.9575**	**5.6292**	**0.0128**		**0.2106**	**0.2106**		**0.1938**	**0.1938**	**0.0000**	**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0232	0.0142	0.2120	7.0000e-004	0.0824	4.3000e-004	0.0829	0.0220	4.0000e-004	0.0224		70.3220	70.3220	1.5600e-003	1.6400e-003	70.8493
Total	**0.0232**	**0.0142**	**0.2120**	**7.0000e-004**	**0.0824**	**4.3000e-004**	**0.0829**	**0.0220**	**4.0000e-004**	**0.0224**		**70.3220**	**70.3220**	**1.5600e-003**	**1.6400e-003**	**70.8493**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Residential Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	**41.7249**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**		**562.8961**	**562.8961**	**0.0307**		**563.6637**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0338	0.5228	1.7600e-003	0.2347	1.0900e-003	0.2358	0.0623	1.0000e-003	0.0633		178.3286	178.3286	3.7200e-003	4.0500e-003	179.6275
Total	**0.0577**	**0.0338**	**0.5228**	**1.7600e-003**	**0.2347**	**1.0900e-003**	**0.2358**	**0.0623**	**1.0000e-003**	**0.0633**		**178.3286**	**178.3286**	**3.7200e-003**	**4.0500e-003**	**179.6275**

Brea Mall Mixed-Use Project (Option 1) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	**41.7249**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**	**0.0000**	**562.8961**	**562.8961**	**0.0307**		**563.6637**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0338	0.5228	1.7600e-003	0.2164	1.0900e-003	0.2175	0.0577	1.0000e-003	0.0587		178.3286	178.3286	3.7200e-003	4.0500e-003	179.6275
Total	**0.0577**	**0.0338**	**0.5228**	**1.7600e-003**	**0.2164**	**1.0900e-003**	**0.2175**	**0.0577**	**1.0000e-003**	**0.0587**		**178.3286**	**178.3286**	**3.7200e-003**	**4.0500e-003**	**179.6275**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Brea Mall Mixed-Use Project (Option 2) Construction Run

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	398.50	1000sqft	5.47	398,500.00	0
Other Asphalt Surfaces	192.00	1000sqft	4.41	192,000.00	0
Other Non-Asphalt Surfaces	206.53	1000sqft	2.86	206,533.70	0
Parking Lot	129.81	1000sqft	2.98	129,809.00	0
Apartments Mid Rise	670.00	Dwelling Unit	0.00	750,300.00	1115
Regional Shopping Center	119.42	1000sqft	0.80	119,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - structures are comprised of multiple stories

Construction Phase - based on information provided by applicant. see project description for construction durations

Off-road Equipment - based on information provided by the applicant

Off-road Equipment - no additional equipment required for asphalt demolition debris haul

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - based on information provided by applicant

Off-road Equipment - no additional equipment required for building demolition haul

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - no additional equipment required for site preparation soil haul

Off-road Equipment - no additional equipment required for site preparation soil haul

Trips and VMT - assumes 4 vt/water truck/day. Assumes that 2 dump trucks will be used for asphalt demo haul. Building Construction and Arch Coat are calculated based on CalEEMod Appendix A rates

Demolition -

Grading -

Architectural Coating - see assumptions file for calculations. Parking only accounts for parking area and driveways

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	59,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	59,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	179,123.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	179,123.00	0.00

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblArchitecturalCoating	ConstArea_Parking	55,611.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,611.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,611.00	43,219.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	211,815.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	294,638.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	635,445.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	883,913.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	59708	123708
tblAreaCoating	Area_Nonresidential_Interior	179123	371123
tblAreaCoating	Area_Parking	55611	55400
tblAreaCoating	Area_Residential_Exterior	506453	294638
tblAreaCoating	Area_Residential_Interior	1519358	883913
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	55.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	300.00	565.00
tblConstructionPhase	NumDays	300.00	695.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	98.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	10.00	33.00
tblFireplaces	NumberGas	569.50	331.50
tblFireplaces	NumberNoFireplace	67.00	39.00
tblFireplaces	NumberWood	33.50	19.50
tblGrading	MaterialExported	0.00	25,416.00
tblGrading	MaterialExported	0.00	12,904.00
tblLandUse	LandUseSquareFeet	206,530.00	206,533.70
tblLandUse	LandUseSquareFeet	129,810.00	129,809.00
tblLandUse	LandUseSquareFeet	670,000.00	750,300.00
tblLandUse	LandUseSquareFeet	119,420.00	119,415.00
tblLandUse	LotAcreage	9.15	5.47
tblLandUse	LotAcreage	4.74	2.86
tblLandUse	LotAcreage	17.63	0.00
tblLandUse	LotAcreage	2.74	0.80
tblLandUse	Population	1,916.00	1,115.00
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	158.00	131.00
tblOffRoadEquipment	HorsePower	130.00	188.00
tblOffRoadEquipment	HorsePower	80.00	86.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	101.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	187.00	238.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	HorsePower	367.00	365.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblSolidWaste	SolidWasteGenerationRate	308.20	179.40
tblTripsAndVMT	HaulingTripNumber	158.00	160.00
tblTripsAndVMT	HaulingTripNumber	112.00	163.00
tblTripsAndVMT	HaulingTripNumber	3,177.00	3,178.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	243.00	51.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	243.00	91.00
tblWater	IndoorWaterUseRate	43,653,197.17	25,410,069.99
tblWater	OutdoorWaterUseRate	27,520,493.87	16,019,391.95
tblWoodstoves	NumberCatalytic	33.50	19.50
tblWoodstoves	NumberNoncatalytic	33.50	19.50

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.3826	4.1265	2.8144	8.1200e-003	0.6006	0.1481	0.7486	0.0744	0.1371	0.2115	0.0000	746.4398	746.4398	0.1800	0.0186	756.4668
2023	1.2218	3.1192	5.3222	0.0171	1.8480	0.1037	1.9516	0.4105	0.0962	0.5067	0.0000	1,563.6562	1,563.6562	0.1523	0.0584	1,584.8721
2024	0.4361	1.5597	4.2151	0.0144	1.3844	0.0454	1.4298	0.3694	0.0424	0.4117	0.0000	1,327.1412	1,327.1412	0.0790	0.0528	1,344.8530
2025	1.6886	1.1316	3.2185	0.0110	1.0959	0.0331	1.1289	0.2923	0.0311	0.3234	0.0000	1,015.7646	1,015.7646	0.0567	0.0390	1,028.8156
2026	0.3449	1.0913	3.3908	0.0115	1.2322	0.0348	1.2670	0.3281	0.0325	0.3606	0.0000	1,055.9214	1,055.9214	0.0606	0.0333	1,067.3657
2027	0.3625	1.1760	3.5631	0.0123	1.3456	0.0376	1.3833	0.3583	0.0352	0.3935	0.0000	1,125.3972	1,125.3972	0.0648	0.0352	1,137.5082
2028	1.0889	0.3590	1.0673	3.5500e-003	0.3901	0.0123	0.4024	0.1038	0.0117	0.1155	0.0000	324.0225	324.0225	0.0173	9.2800e-003	327.2199
Maximum	**1.6886**	**4.1265**	**5.3222**	**0.0171**	**1.8480**	**0.1481**	**1.9516**	**0.4105**	**0.1371**	**0.5067**	**0.0000**	**1,563.6562**	**1,563.6562**	**0.1800**	**0.0584**	**1,584.8721**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.3826	4.1265	2.8144	8.1200e-003	0.2819	0.1481	0.4300	0.0388	0.1371	0.1759	0.0000	746.4391	746.4391	0.1800	0.0186	756.4661
2023	1.2218	3.1192	5.3221	0.0171	1.4476	0.1037	1.5512	0.3531	0.0962	0.4494	0.0000	1,563.6558	1,563.6558	0.1523	0.0584	1,584.8716
2024	0.4361	1.5597	4.2151	0.0144	1.2774	0.0454	1.3229	0.3431	0.0424	0.3855	0.0000	1,327.1411	1,327.1411	0.0790	0.0528	1,344.8528
2025	1.6886	1.1316	3.2185	0.0110	1.0111	0.0331	1.0442	0.2715	0.0311	0.3026	0.0000	1,015.7644	1,015.7644	0.0567	0.0390	1,028.8155
2026	0.3449	1.0913	3.3908	0.0115	1.1366	0.0348	1.1714	0.3046	0.0325	0.3371	0.0000	1,055.9213	1,055.9213	0.0606	0.0333	1,067.3655
2027	0.3625	1.1760	3.5631	0.0123	1.2412	0.0376	1.2789	0.3327	0.0352	0.3679	0.0000	1,125.3970	1,125.3970	0.0648	0.0352	1,137.5080
2028	1.0889	0.3590	1.0673	3.5500e-003	0.3598	0.0123	0.3721	0.0964	0.0117	0.1081	0.0000	324.0225	324.0225	0.0173	9.2800e-003	327.2198
Maximum	**1.6886**	**4.1265**	**5.3221**	**0.0171**	**1.4476**	**0.1481**	**1.5512**	**0.3531**	**0.1371**	**0.4494**	**0.0000**	**1,563.6558**	**1,563.6558**	**0.1800**	**0.0584**	**1,584.8716**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**14.45**	**0.00**	**13.73**	**10.15**	**0.00**	**8.46**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2022	8-31-2022	0.7055	0.7055
2	9-1-2022	11-30-2022	2.9530	2.9530
3	12-1-2022	2-28-2023	3.4309	3.4309
4	3-1-2023	5-31-2023	0.4945	0.4945

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	**6-1-2023**	**8-31-2023**	0.4886	0.4886
6	**9-1-2023**	**11-30-2023**	0.9995	0.9995
7	**12-1-2023**	**2-29-2024**	0.7336	0.7336
8	**3-1-2024**	**5-31-2024**	0.5585	0.5585
9	**6-1-2024**	**8-31-2024**	0.4678	0.4678
10	**9-1-2024**	**11-30-2024**	0.4740	0.4740
11	**12-1-2024**	**2-28-2025**	0.4573	0.4573
12	**3-1-2025**	**5-31-2025**	0.4475	0.4475
13	**6-1-2025**	**8-31-2025**	1.4326	1.4326
14	**9-1-2025**	**11-30-2025**	0.6235	0.6235
15	**12-1-2025**	**2-28-2026**	0.1220	0.1220
16	**3-1-2026**	**5-31-2026**	0.3916	0.3916
17	**6-1-2026**	**8-31-2026**	0.3870	0.3870
18	**9-1-2026**	**11-30-2026**	0.3919	0.3919
19	**12-1-2026**	**2-28-2027**	0.3871	0.3871
20	**3-1-2027**	**5-31-2027**	0.3843	0.3843
21	**6-1-2027**	**8-31-2027**	0.3798	0.3798
22	**9-1-2027**	**11-30-2027**	0.3845	0.3845
23	**12-1-2027**	**2-29-2028**	1.0250	1.0250
24	**3-1-2028**	**5-31-2028**	0.5619	0.5619
		Highest	3.4309	3.4309

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Demolition	Demolition	6/1/2022	9/30/2022	5	88	a
2	Asphalt Demolition	Demolition	7/1/2022	8/15/2022	5	32	c
3	Building Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	b
4	Asphalt Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	d
5	Site Preparation	Site Preparation	10/1/2022	2/15/2023	5	98	e
6	Site Preparation Soil Haul 2022	Site Preparation	10/1/2022	12/31/2022	5	65	f
7	Site Preparation Soil Haul 2023	Site Preparation	1/1/2023	2/15/2023	5	33	g
8	Retail and Residential Building A Building Construction	Building Construction	2/1/2023	9/30/2025	5	695	h
9	Retail Architectural Coating	Architectural Coating	10/15/2023	12/23/2023	5	50	i
10	Finishing and Landscaping	Trenching	4/1/2024	4/30/2024	5	22	l
11	Paving	Paving	4/1/2024	4/7/2024	5	5	k
12	Residential Building A Architectural Coating	Architectural Coating	7/1/2025	9/30/2025	5	66	j
13	Residential Building B Building Construction	Building Construction	2/1/2026	3/31/2028	5	565	m
14	Residential Building B Architectural Coating	Architectural Coating	1/15/2028	3/31/2028	5	55	n

Acres of Grading (Site Preparation Phase): 980

Acres of Grading (Grading Phase): 0

Acres of Paving: 15.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 179,123; Non-Residential Outdoor: 59,708; Striped Parking Area: 43,219

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Building Demolition	Excavators	2	8.00	131	0.38
Building Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Debris Haul	Excavators	0	8.00	158	0.38
Building Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38
Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Excavators	1	8.00	101	0.38
Site Preparation	Graders	4	8.00	238	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	8	8.00	365	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation Soil Haul 2022	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2022	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation Soil Haul 2023	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2023	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Retail and Residential Building A Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73
Retail and Residential Building A Building Construction	Cranes	1	8.00	300	0.29
Retail and Residential Building A Building Construction	Forklifts	0	8.00	89	0.20
Retail and Residential Building A Building Construction	Generator Sets	0	8.00	84	0.74

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Retail and Residential Building A Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Retail and Residential Building A Building Construction	Welders	0	8.00	46	0.45
Retail Architectural Coating	Air Compressors	2	6.00	78	0.48
Residential Building A Architectural Coating	Air Compressors	2	6.00	78	0.48
Paving	Pavers	1	8.00	188	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	8.00	86	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Finishing and Landscaping	Graders	1	8.00	238	0.41
Residential Building B Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73
Residential Building B Building Construction	Cranes	1	8.00	300	0.29
Residential Building B Building Construction	Forklifts	0	8.00	89	0.20
Residential Building B Building Construction	Generator Sets	0	8.00	84	0.74
Residential Building B Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Residential Building B Building Construction	Welders	0	8.00	46	0.45
Residential Building B Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Demolition	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Debris Haul	0	0.00	0.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition Debris Haul	0	0.00	0.00	163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2022	0	0.00	0.00	3,178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2023	0	0.00	0.00	1,613.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Retail and Residential Building A Building	3	910.00	91.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building A Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing and Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building B Building Construction	3	910.00	51.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building B Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0760	0.4977	0.5620	1.5700e-003		0.0204	0.0204		0.0196	0.0196	0.0000	154.3428	154.3428	0.0190	0.0000	154.8182
Total	**0.0760**	**0.4977**	**0.5620**	**1.5700e-003**		**0.0204**	**0.0204**		**0.0196**	**0.0196**	**0.0000**	**154.3428**	**154.3428**	**0.0190**	**0.0000**	**154.8182**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	8.2700e-003	2.8500e-003	3.0000e-005	1.1100e-003	8.0000e-005	1.1900e-003	3.2000e-004	7.0000e-005	3.9000e-004	0.0000	3.3112	3.3112	1.9000e-004	4.7000e-004	3.4575
Worker	1.3300e-003	1.0000e-003	0.0138	4.0000e-005	4.8300e-003	3.0000e-005	4.8600e-003	1.2800e-003	2.0000e-005	1.3100e-003	0.0000	3.7930	3.7930	9.0000e-005	1.0000e-004	3.8238
Total	**1.6200e-003**	**9.2700e-003**	**0.0166**	**7.0000e-005**	**5.9400e-003**	**1.1000e-004**	**6.0500e-003**	**1.6000e-003**	**9.0000e-005**	**1.7000e-003**	**0.0000**	**7.1042**	**7.1042**	**2.8000e-004**	**5.7000e-004**	**7.2812**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0760	0.4977	0.5620	1.5700e-003		0.0204	0.0204		0.0196	0.0196	0.0000	154.3427	154.3427	0.0190	0.0000	154.8180
Total	**0.0760**	**0.4977**	**0.5620**	**1.5700e-003**		**0.0204**	**0.0204**		**0.0196**	**0.0196**	**0.0000**	**154.3427**	**154.3427**	**0.0190**	**0.0000**	**154.8180**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	8.2700e-003	2.8500e-003	3.0000e-005	1.0400e-003	8.0000e-005	1.1200e-003	3.0000e-004	7.0000e-005	3.8000e-004	0.0000	3.3112	3.3112	1.9000e-004	4.7000e-004	3.4575
Worker	1.3300e-003	1.0000e-003	0.0138	4.0000e-005	4.4500e-003	3.0000e-005	4.4800e-003	1.1900e-003	2.0000e-005	1.2100e-003	0.0000	3.7930	3.7930	9.0000e-005	1.0000e-004	3.8238
Total	**1.6200e-003**	**9.2700e-003**	**0.0166**	**7.0000e-005**	**5.4900e-003**	**1.1000e-004**	**5.6000e-003**	**1.4900e-003**	**9.0000e-005**	**1.5900e-003**	**0.0000**	**7.1042**	**7.1042**	**2.8000e-004**	**5.7000e-004**	**7.2812**

3.3 Asphalt Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6400e-003	0.0268	0.0358	5.0000e-005		1.4400e-003	1.4400e-003		1.3300e-003	1.3300e-003	0.0000	4.3725	4.3725	1.4100e-003	0.0000	4.4078
Total	**2.6400e-003**	**0.0268**	**0.0358**	**5.0000e-005**		**1.4400e-003**	**1.4400e-003**		**1.3300e-003**	**1.3300e-003**	**0.0000**	**4.3725**	**4.3725**	**1.4100e-003**	**0.0000**	**4.4078**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.0100e-003	1.0400e-003	1.0000e-005	4.0000e-004	3.0000e-005	4.3000e-004	1.2000e-004	3.0000e-005	1.4000e-004	0.0000	1.2041	1.2041	7.0000e-005	1.7000e-004	1.2573
Worker	1.4000e-004	1.1000e-004	1.5000e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4138	0.4138	1.0000e-005	1.0000e-005	0.4171
Total	**2.5000e-004**	**3.1200e-003**	**2.5400e-003**	**1.0000e-005**	**9.3000e-004**	**3.0000e-005**	**9.6000e-004**	**2.6000e-004**	**3.0000e-005**	**2.8000e-004**	**0.0000**	**1.6179**	**1.6179**	**8.0000e-005**	**1.8000e-004**	**1.6744**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6400e-003	0.0268	0.0358	5.0000e-005		1.4400e-003	1.4400e-003		1.3300e-003	1.3300e-003	0.0000	4.3725	4.3725	1.4100e-003	0.0000	4.4078
Total	**2.6400e-003**	**0.0268**	**0.0358**	**5.0000e-005**		**1.4400e-003**	**1.4400e-003**		**1.3300e-003**	**1.3300e-003**	**0.0000**	**4.3725**	**4.3725**	**1.4100e-003**	**0.0000**	**4.4078**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.0100e-003	1.0400e-003	1.0000e-005	3.8000e-004	3.0000e-005	4.1000e-004	1.1000e-004	3.0000e-005	1.4000e-004	0.0000	1.2041	1.2041	7.0000e-005	1.7000e-004	1.2573
Worker	1.4000e-004	1.1000e-004	1.5000e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4138	0.4138	1.0000e-005	1.0000e-005	0.4171
Total	**2.5000e-004**	**3.1200e-003**	**2.5400e-003**	**1.0000e-005**	**8.7000e-004**	**3.0000e-005**	**9.0000e-004**	**2.4000e-004**	**3.0000e-005**	**2.7000e-004**	**0.0000**	**1.6179**	**1.6179**	**8.0000e-005**	**1.8000e-004**	**1.6744**

3.4 Building Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0171	0.0000	0.0171	2.5900e-003	0.0000	2.5900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0171**	**0.0000**	**0.0171**	**2.5900e-003**	**0.0000**	**2.5900e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2000e-004	0.0131	3.5200e-003	5.0000e-005	1.3700e-003	9.0000e-005	1.4700e-003	3.8000e-004	9.0000e-005	4.7000e-004	0.0000	4.9072	4.9072	4.7000e-004	7.9000e-004	5.1532
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2000e-004**	**0.0131**	**3.5200e-003**	**5.0000e-005**	**1.3700e-003**	**9.0000e-005**	**1.4700e-003**	**3.8000e-004**	**9.0000e-005**	**4.7000e-004**	**0.0000**	**4.9072**	**4.9072**	**4.7000e-004**	**7.9000e-004**	**5.1532**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.3200e-003	0.0000	7.3200e-003	1.1100e-003	0.0000	1.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**7.3200e-003**	**0.0000**	**7.3200e-003**	**1.1100e-003**	**0.0000**	**1.1100e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2000e-004	0.0131	3.5200e-003	5.0000e-005	1.2800e-003	9.0000e-005	1.3700e-003	3.5000e-004	9.0000e-005	4.4000e-004	0.0000	4.9072	4.9072	4.7000e-004	7.9000e-004	5.1532
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2000e-004**	**0.0131**	**3.5200e-003**	**5.0000e-005**	**1.2800e-003**	**9.0000e-005**	**1.3700e-003**	**3.5000e-004**	**9.0000e-005**	**4.4000e-004**	**0.0000**	**4.9072**	**4.9072**	**4.7000e-004**	**7.9000e-004**	**5.1532**

3.5 Asphalt Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0121	0.0000	0.0121	1.8400e-003	0.0000	1.8400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0121**	**0.0000**	**0.0121**	**1.8400e-003**	**0.0000**	**1.8400e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0134	3.5900e-003	5.0000e-005	1.4000e-003	1.0000e-004	1.5000e-003	3.8000e-004	9.0000e-005	4.8000e-004	0.0000	4.9993	4.9993	4.8000e-004	8.0000e-004	5.2498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0134**	**3.5900e-003**	**5.0000e-005**	**1.4000e-003**	**1.0000e-004**	**1.5000e-003**	**3.8000e-004**	**9.0000e-005**	**4.8000e-004**	**0.0000**	**4.9993**	**4.9993**	**4.8000e-004**	**8.0000e-004**	**5.2498**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.1900e-003	0.0000	5.1900e-003	7.9000e-004	0.0000	7.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.1900e-003**	**0.0000**	**5.1900e-003**	**7.9000e-004**	**0.0000**	**7.9000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0134	3.5900e-003	5.0000e-005	1.3000e-003	1.0000e-004	1.4000e-003	3.6000e-004	9.0000e-005	4.5000e-004	0.0000	4.9993	4.9993	4.8000e-004	8.0000e-004	5.2498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0134**	**3.5900e-003**	**5.0000e-005**	**1.3000e-003**	**1.0000e-004**	**1.4000e-003**	**3.6000e-004**	**9.0000e-005**	**4.5000e-004**	**0.0000**	**4.9993**	**4.9993**	**4.8000e-004**	**8.0000e-004**	**5.2498**

3.6 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5197	0.0000	0.5197	0.0561	0.0000	0.0561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2914	3.2943	2.0827	5.2300e-003		0.1239	0.1239		0.1140	0.1140	0.0000	459.3743	459.3743	0.1486	0.0000	463.0886
Total	**0.2914**	**3.2943**	**2.0827**	**5.2300e-003**	**0.5197**	**0.1239**	**0.6436**	**0.0561**	**0.1140**	**0.1701**	**0.0000**	**459.3743**	**459.3743**	**0.1486**	**0.0000**	**463.0886**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	6.1100e-003	2.1000e-003	2.0000e-005	8.2000e-004	6.0000e-005	8.8000e-004	2.4000e-004	5.0000e-005	2.9000e-004	0.0000	2.4458	2.4458	1.4000e-004	3.5000e-004	2.5538
Worker	3.4300e-003	2.5800e-003	0.0356	1.1000e-004	0.0125	7.0000e-005	0.0126	3.3200e-003	6.0000e-005	3.3800e-003	0.0000	9.8057	9.8057	2.4000e-004	2.5000e-004	9.8853
Total	**3.6400e-003**	**8.6900e-003**	**0.0377**	**1.3000e-004**	**0.0133**	**1.3000e-004**	**0.0134**	**3.5600e-003**	**1.1000e-004**	**3.6700e-003**	**0.0000**	**12.2515**	**12.2515**	**3.8000e-004**	**6.0000e-004**	**12.4391**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2222	0.0000	0.2222	0.0240	0.0000	0.0240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2914	3.2943	2.0827	5.2300e-003		0.1239	0.1239		0.1140	0.1140	0.0000	459.3737	459.3737	0.1486	0.0000	463.0880
Total	**0.2914**	**3.2943**	**2.0827**	**5.2300e-003**	**0.2222**	**0.1239**	**0.3461**	**0.0240**	**0.1140**	**0.1380**	**0.0000**	**459.3737**	**459.3737**	**0.1486**	**0.0000**	**463.0880**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	6.1100e-003	2.1000e-003	2.0000e-005	7.7000e-004	6.0000e-005	8.2000e-004	2.2000e-004	5.0000e-005	2.8000e-004	0.0000	2.4458	2.4458	1.4000e-004	3.5000e-004	2.5538
Worker	3.4300e-003	2.5800e-003	0.0356	1.1000e-004	0.0115	7.0000e-005	0.0116	3.0800e-003	6.0000e-005	3.1400e-003	0.0000	9.8057	9.8057	2.4000e-004	2.5000e-004	9.8853
Total	**3.6400e-003**	**8.6900e-003**	**0.0377**	**1.3000e-004**	**0.0123**	**1.3000e-004**	**0.0124**	**3.3000e-003**	**1.1000e-004**	**3.4200e-003**	**0.0000**	**12.2515**	**12.2515**	**3.8000e-004**	**6.0000e-004**	**12.4391**

3.6 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5197	0.0000	0.5197	0.0561	0.0000	0.0561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1406	1.5302	1.0232	2.6500e-003		0.0579	0.0579		0.0532	0.0532	0.0000	233.1691	233.1691	0.0754	0.0000	235.0544
Total	**0.1406**	**1.5302**	**1.0232**	**2.6500e-003**	**0.5197**	**0.0579**	**0.5775**	**0.0561**	**0.0532**	**0.1093**	**0.0000**	**233.1691**	**233.1691**	**0.0754**	**0.0000**	**235.0544**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.4200e-003	9.7000e-004	1.0000e-005	4.2000e-004	1.0000e-005	4.3000e-004	1.2000e-004	1.0000e-005	1.3000e-004	0.0000	1.1829	1.1829	7.0000e-005	1.7000e-004	1.2353
Worker	1.6300e-003	1.1700e-003	0.0168	5.0000e-005	6.3400e-003	3.0000e-005	6.3700e-003	1.6800e-003	3.0000e-005	1.7100e-003	0.0000	4.8203	4.8203	1.1000e-004	1.2000e-004	4.8578
Total	**1.7000e-003**	**3.5900e-003**	**0.0178**	**6.0000e-005**	**6.7600e-003**	**4.0000e-005**	**6.8000e-003**	**1.8000e-003**	**4.0000e-005**	**1.8400e-003**	**0.0000**	**6.0032**	**6.0032**	**1.8000e-004**	**2.9000e-004**	**6.0931**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2222	0.0000	0.2222	0.0240	0.0000	0.0240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1406	1.5302	1.0232	2.6500e-003		0.0579	0.0579		0.0532	0.0532	0.0000	233.1689	233.1689	0.0754	0.0000	235.0542
Total	**0.1406**	**1.5302**	**1.0232**	**2.6500e-003**	**0.2222**	**0.0579**	**0.2800**	**0.0240**	**0.0532**	**0.0772**	**0.0000**	**233.1689**	**233.1689**	**0.0754**	**0.0000**	**235.0542**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.4200e-003	9.7000e-004	1.0000e-005	3.9000e-004	1.0000e-005	4.0000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.1829	1.1829	7.0000e-005	1.7000e-004	1.2353
Worker	1.6300e-003	1.1700e-003	0.0168	5.0000e-005	5.8500e-003	3.0000e-005	5.8800e-003	1.5600e-003	3.0000e-005	1.5900e-003	0.0000	4.8203	4.8203	1.1000e-004	1.2000e-004	4.8578
Total	**1.7000e-003**	**3.5900e-003**	**0.0178**	**6.0000e-005**	**6.2400e-003**	**4.0000e-005**	**6.2800e-003**	**1.6700e-003**	**4.0000e-005**	**1.7100e-003**	**0.0000**	**6.0032**	**6.0032**	**1.8000e-004**	**2.9000e-004**	**6.0931**

3.7 Site Preparation Soil Haul 2022 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4400e-003	0.0000	1.4400e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.4400e-003**	**0.0000**	**1.4400e-003**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.3700e-003	0.2602	0.0699	9.5000e-004	0.0273	1.8700e-003	0.0292	7.4800e-003	1.7900e-003	9.2800e-003	0.0000	97.4701	97.4701	9.2900e-003	0.0156	102.3546
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.3700e-003**	**0.2602**	**0.0699**	**9.5000e-004**	**0.0273**	**1.8700e-003**	**0.0292**	**7.4800e-003**	**1.7900e-003**	**9.2800e-003**	**0.0000**	**97.4701**	**97.4701**	**9.2900e-003**	**0.0156**	**102.3546**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.1000e-004	0.0000	6.1000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**6.1000e-004**	**0.0000**	**6.1000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.3700e-003	0.2602	0.0699	9.5000e-004	0.0254	1.8700e-003	0.0273	7.0300e-003	1.7900e-003	8.8200e-003	0.0000	97.4701	97.4701	9.2900e-003	0.0156	102.3546
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.3700e-003**	**0.2602**	**0.0699**	**9.5000e-004**	**0.0254**	**1.8700e-003**	**0.0273**	**7.0300e-003**	**1.7900e-003**	**8.8200e-003**	**0.0000**	**97.4701**	**97.4701**	**9.2900e-003**	**0.0156**	**102.3546**

3.8 Site Preparation Soil Haul 2023 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.3000e-004	0.0000	7.3000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**7.3000e-004**	**0.0000**	**7.3000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6400e-003	0.1011	0.0331	4.5000e-004	0.0139	6.2000e-004	0.0145	3.8000e-003	5.9000e-004	4.3900e-003	0.0000	46.8101	46.8101	4.7200e-003	7.5100e-003	49.1658
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6400e-003**	**0.1011**	**0.0331**	**4.5000e-004**	**0.0139**	**6.2000e-004**	**0.0145**	**3.8000e-003**	**5.9000e-004**	**4.3900e-003**	**0.0000**	**46.8101**	**46.8101**	**4.7200e-003**	**7.5100e-003**	**49.1658**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.1000e-004	0.0000	3.1000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**3.1000e-004**	**0.0000**	**3.1000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6400e-003	0.1011	0.0331	4.5000e-004	0.0129	6.2000e-004	0.0135	3.5700e-003	5.9000e-004	4.1600e-003	0.0000	46.8101	46.8101	4.7200e-003	7.5100e-003	49.1658
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6400e-003**	**0.1011**	**0.0331**	**4.5000e-004**	**0.0129**	**6.2000e-004**	**0.0135**	**3.5700e-003**	**5.9000e-004**	**4.1600e-003**	**0.0000**	**46.8101**	**46.8101**	**4.7200e-003**	**7.5100e-003**	**49.1658**

3.9 Retail and Residential Building A Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0853	0.7938	0.7150	1.5100e-003		0.0332	0.0332		0.0310	0.0310	0.0000	128.9587	128.9587	0.0378	0.0000	129.9033
Total	**0.0853**	**0.7938**	**0.7150**	**1.5100e-003**		**0.0332**	**0.0332**		**0.0310**	**0.0310**	**0.0000**	**128.9587**	**128.9587**	**0.0378**	**0.0000**	**129.9033**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0107	0.3976	0.1597	1.9500e-003	0.0682	1.9500e-003	0.0702	0.0197	1.8700e-003	0.0216	0.0000	194.0926	194.0926	0.0115	0.0279	202.6863
Worker	0.3058	0.2186	3.1504	9.8600e-003	1.1888	6.1700e-003	1.1950	0.3157	5.6800e-003	0.3214	0.0000	903.8781	903.8781	0.0210	0.0218	910.9102
Total	**0.3165**	**0.6161**	**3.3101**	**0.0118**	**1.2570**	**8.1200e-003**	**1.2652**	**0.3354**	**7.5500e-003**	**0.3429**	**0.0000**	**1,097.9707**	**1,097.9707**	**0.0326**	**0.0497**	**1,113.5965**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0853	0.7938	0.7150	1.5100e-003		0.0332	0.0332		0.0310	0.0310	0.0000	128.9586	128.9586	0.0378	0.0000	129.9031
Total	**0.0853**	**0.7938**	**0.7150**	**1.5100e-003**		**0.0332**	**0.0332**		**0.0310**	**0.0310**	**0.0000**	**128.9586**	**128.9586**	**0.0378**	**0.0000**	**129.9031**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0107	0.3976	0.1597	1.9500e-003	0.0639	1.9500e-003	0.0658	0.0186	1.8700e-003	0.0205	0.0000	194.0926	194.0926	0.0115	0.0279	202.6863
Worker	0.3058	0.2186	3.1504	9.8600e-003	1.0960	6.1700e-003	1.1022	0.2929	5.6800e-003	0.2986	0.0000	903.8781	903.8781	0.0210	0.0218	910.9102
Total	**0.3165**	**0.6161**	**3.3101**	**0.0118**	**1.1599**	**8.1200e-003**	**1.1680**	**0.3115**	**7.5500e-003**	**0.3191**	**0.0000**	**1,097.9707**	**1,097.9707**	**0.0326**	**0.0497**	**1,113.5965**

3.9 Retail and Residential Building A Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0918	0.8368	0.7721	1.6600e-003		0.0343	0.0343		0.0321	0.0321	0.0000	141.9441	141.9441	0.0416	0.0000	142.9837
Total	**0.0918**	**0.8368**	**0.7721**	**1.6600e-003**		**0.0343**	**0.0343**		**0.0321**	**0.0321**	**0.0000**	**141.9441**	**141.9441**	**0.0416**	**0.0000**	**142.9837**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0117	0.4363	0.1744	2.1100e-003	0.0751	2.2500e-003	0.0774	0.0217	2.1500e-003	0.0238	0.0000	210.3536	210.3536	0.0128	0.0303	219.7131
Worker	0.3167	0.2160	3.2299	0.0105	1.3087	6.4500e-003	1.3151	0.3475	5.9400e-003	0.3535	0.0000	963.4818	963.4818	0.0210	0.0225	970.7027
Total	**0.3284**	**0.6523**	**3.4043**	**0.0126**	**1.3838**	**8.7000e-003**	**1.3925**	**0.3692**	**8.0900e-003**	**0.3773**	**0.0000**	**1,173.8353**	**1,173.8353**	**0.0338**	**0.0528**	**1,190.4158**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0918	0.8368	0.7721	1.6600e-003		0.0343	0.0343		0.0321	0.0321	0.0000	141.9439	141.9439	0.0416	0.0000	142.9835
Total	**0.0918**	**0.8368**	**0.7721**	**1.6600e-003**		**0.0343**	**0.0343**		**0.0321**	**0.0321**	**0.0000**	**141.9439**	**141.9439**	**0.0416**	**0.0000**	**142.9835**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0117	0.4363	0.1744	2.1100e-003	0.0703	2.2500e-003	0.0726	0.0205	2.1500e-003	0.0226	0.0000	210.3536	210.3536	0.0128	0.0303	219.7131
Worker	0.3167	0.2160	3.2299	0.0105	1.2066	6.4500e-003	1.2130	0.3225	5.9400e-003	0.3284	0.0000	963.4818	963.4818	0.0210	0.0225	970.7027
Total	**0.3284**	**0.6523**	**3.4043**	**0.0126**	**1.2769**	**8.7000e-003**	**1.2856**	**0.3430**	**8.0900e-003**	**0.3511**	**0.0000**	**1,173.8353**	**1,173.8353**	**0.0338**	**0.0528**	**1,190.4158**

3.9 Retail and Residential Building A Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0653	0.5775	0.5593	1.2400e-003		0.0231	0.0231		0.0216	0.0216	0.0000	105.6575	105.6575	0.0310	0.0000	106.4314
Total	**0.0653**	**0.5775**	**0.5593**	**1.2400e-003**		**0.0231**	**0.0231**		**0.0216**	**0.0216**	**0.0000**	**105.6575**	**105.6575**	**0.0310**	**0.0000**	**106.4314**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.5400e-003	0.3232	0.1293	1.5400e-003	0.0559	1.6800e-003	0.0576	0.0161	1.6100e-003	0.0177	0.0000	153.6320	153.6320	9.6600e-003	0.0223	160.5028
Worker	0.2227	0.1455	2.2578	7.5500e-003	0.9740	4.5900e-003	0.9786	0.2587	4.2200e-003	0.2629	0.0000	692.7311	692.7311	0.0142	0.0157	697.7731
Total	**0.2313**	**0.4687**	**2.3870**	**9.0900e-003**	**1.0299**	**6.2700e-003**	**1.0362**	**0.2748**	**5.8300e-003**	**0.2806**	**0.0000**	**846.3630**	**846.3630**	**0.0239**	**0.0380**	**858.2759**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0653	0.5775	0.5593	1.2400e-003		0.0231	0.0231		0.0216	0.0216	0.0000	105.6574	105.6574	0.0310	0.0000	106.4312
Total	**0.0653**	**0.5775**	**0.5593**	**1.2400e-003**		**0.0231**	**0.0231**		**0.0216**	**0.0216**	**0.0000**	**105.6574**	**105.6574**	**0.0310**	**0.0000**	**106.4312**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.5400e-003	0.3232	0.1293	1.5400e-003	0.0523	1.6800e-003	0.0540	0.0153	1.6100e-003	0.0169	0.0000	153.6320	153.6320	9.6600e-003	0.0223	160.5028
Worker	0.2227	0.1455	2.2578	7.5500e-003	0.8980	4.5900e-003	0.9026	0.2400	4.2200e-003	0.2442	0.0000	692.7311	692.7311	0.0142	0.0157	697.7731
Total	**0.2313**	**0.4687**	**2.3870**	**9.0900e-003**	**0.9504**	**6.2700e-003**	**0.9566**	**0.2553**	**5.8300e-003**	**0.2611**	**0.0000**	**846.3630**	**846.3630**	**0.0239**	**0.0380**	**858.2759**

3.10 Retail Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6537					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5800e-003	0.0652	0.0906	1.5000e-004		3.5400e-003	3.5400e-003		3.5400e-003	3.5400e-003	0.0000	12.7663	12.7663	7.6000e-004	0.0000	12.7854
Total	**0.6632**	**0.0652**	**0.0906**	**1.5000e-004**		**3.5400e-003**	**3.5400e-003**		**3.5400e-003**	**3.5400e-003**	**0.0000**	**12.7663**	**12.7663**	**7.6000e-004**	**0.0000**	**12.7854**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0129	9.1800e-003	0.1324	4.1000e-004	0.0500	2.6000e-004	0.0502	0.0133	2.4000e-004	0.0135	0.0000	37.9781	37.9781	8.8000e-004	9.2000e-004	38.2735
Total	**0.0129**	**9.1800e-003**	**0.1324**	**4.1000e-004**	**0.0500**	**2.6000e-004**	**0.0502**	**0.0133**	**2.4000e-004**	**0.0135**	**0.0000**	**37.9781**	**37.9781**	**8.8000e-004**	**9.2000e-004**	**38.2735**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6537					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5800e-003	0.0652	0.0906	1.5000e-004		3.5400e-003	3.5400e-003		3.5400e-003	3.5400e-003	0.0000	12.7663	12.7663	7.6000e-004	0.0000	12.7854
Total	**0.6632**	**0.0652**	**0.0906**	**1.5000e-004**		**3.5400e-003**	**3.5400e-003**		**3.5400e-003**	**3.5400e-003**	**0.0000**	**12.7663**	**12.7663**	**7.6000e-004**	**0.0000**	**12.7854**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0129	9.1800e-003	0.1324	4.1000e-004	0.0461	2.6000e-004	0.0463	0.0123	2.4000e-004	0.0126	0.0000	37.9781	37.9781	8.8000e-004	9.2000e-004	38.2735
Total	**0.0129**	**9.1800e-003**	**0.1324**	**4.1000e-004**	**0.0461**	**2.6000e-004**	**0.0463**	**0.0123**	**2.4000e-004**	**0.0126**	**0.0000**	**37.9781**	**37.9781**	**8.8000e-004**	**9.2000e-004**	**38.2735**

3.11 Finishing and Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9600e-003	0.0582	0.0232	9.0000e-005		1.8900e-003	1.8900e-003		1.7400e-003	1.7400e-003	0.0000	8.1348	8.1348	2.6300e-003	0.0000	8.2006
Total	**4.9600e-003**	**0.0582**	**0.0232**	**9.0000e-005**		**1.8900e-003**	**1.8900e-003**		**1.7400e-003**	**1.7400e-003**	**0.0000**	**8.1348**	**8.1348**	**2.6300e-003**	**0.0000**	**8.2006**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	6.0000e-005	8.9000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2667	0.2667	1.0000e-005	1.0000e-005	0.2687
Total	**9.0000e-005**	**6.0000e-005**	**8.9000e-004**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2667**	**0.2667**	**1.0000e-005**	**1.0000e-005**	**0.2687**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9600e-003	0.0582	0.0232	9.0000e-005		1.8900e-003	1.8900e-003		1.7400e-003	1.7400e-003	0.0000	8.1348	8.1348	2.6300e-003	0.0000	8.2006
Total	**4.9600e-003**	**0.0582**	**0.0232**	**9.0000e-005**		**1.8900e-003**	**1.8900e-003**		**1.7400e-003**	**1.7400e-003**	**0.0000**	**8.1348**	**8.1348**	**2.6300e-003**	**0.0000**	**8.2006**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	6.0000e-005	8.9000e-004	0.0000	3.3000e-004	0.0000	3.4000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2667	0.2667	1.0000e-005	1.0000e-005	0.2687
Total	**9.0000e-005**	**6.0000e-005**	**8.9000e-004**	**0.0000**	**3.3000e-004**	**0.0000**	**3.4000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2667**	**0.2667**	**1.0000e-005**	**1.0000e-005**	**0.2687**

3.12 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1700e-003	0.0124	0.0141	3.0000e-005		5.3000e-004	5.3000e-004		4.8000e-004	4.8000e-004	0.0000	2.7987	2.7987	9.1000e-004	0.0000	2.8213
Paving	9.6800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.0124**	**0.0141**	**3.0000e-005**		**5.3000e-004**	**5.3000e-004**		**4.8000e-004**	**4.8000e-004**	**0.0000**	**2.7987**	**2.7987**	**9.1000e-004**	**0.0000**	**2.8213**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1616	0.1616	0.0000	0.0000	0.1629
Total	**5.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1616**	**0.1616**	**0.0000**	**0.0000**	**0.1629**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1700e-003	0.0124	0.0141	3.0000e-005		5.3000e-004	5.3000e-004		4.8000e-004	4.8000e-004	0.0000	2.7987	2.7987	9.1000e-004	0.0000	2.8213
Paving	9.6800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.0124**	**0.0141**	**3.0000e-005**		**5.3000e-004**	**5.3000e-004**		**4.8000e-004**	**4.8000e-004**	**0.0000**	**2.7987**	**2.7987**	**9.1000e-004**	**0.0000**	**2.8213**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1616	0.1616	0.0000	0.0000	0.1629
Total	**5.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1616**	**0.1616**	**0.0000**	**0.0000**	**0.1629**

3.13 Residential Building A Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3657					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0113	0.0756	0.1194	2.0000e-004		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	16.8515	16.8515	9.2000e-004	0.0000	16.8745
Total	**1.3769**	**0.0756**	**0.1194**	**2.0000e-004**		**3.4000e-003**	**3.4000e-003**		**3.4000e-003**	**3.4000e-003**	**0.0000**	**16.8515**	**16.8515**	**9.2000e-004**	**0.0000**	**16.8745**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0151	9.8500e-003	0.1528	5.1000e-004	0.0659	3.1000e-004	0.0662	0.0175	2.9000e-004	0.0178	0.0000	46.8926	46.8926	9.6000e-004	1.0600e-003	47.2339
Total	**0.0151**	**9.8500e-003**	**0.1528**	**5.1000e-004**	**0.0659**	**3.1000e-004**	**0.0662**	**0.0175**	**2.9000e-004**	**0.0178**	**0.0000**	**46.8926**	**46.8926**	**9.6000e-004**	**1.0600e-003**	**47.2339**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3657					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0113	0.0756	0.1194	2.0000e-004		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	16.8515	16.8515	9.2000e-004	0.0000	16.8744
Total	**1.3769**	**0.0756**	**0.1194**	**2.0000e-004**		**3.4000e-003**	**3.4000e-003**		**3.4000e-003**	**3.4000e-003**	**0.0000**	**16.8515**	**16.8515**	**9.2000e-004**	**0.0000**	**16.8744**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0151	9.8500e-003	0.1528	5.1000e-004	0.0608	3.1000e-004	0.0611	0.0163	2.9000e-004	0.0165	0.0000	46.8926	46.8926	9.6000e-004	1.0600e-003	47.2339
Total	**0.0151**	**9.8500e-003**	**0.1528**	**5.1000e-004**	**0.0608**	**3.1000e-004**	**0.0611**	**0.0163**	**2.9000e-004**	**0.0165**	**0.0000**	**46.8926**	**46.8926**	**9.6000e-004**	**1.0600e-003**	**47.2339**

3.14 Residential Building B Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0801	0.7079	0.6854	1.5100e-003		0.0283	0.0283		0.0265	0.0265	0.0000	129.4981	129.4981	0.0379	0.0000	130.4467
Total	**0.0801**	**0.7079**	**0.6854**	**1.5100e-003**		**0.0283**	**0.0283**		**0.0265**	**0.0265**	**0.0000**	**129.4981**	**129.4981**	**0.0379**	**0.0000**	**130.4467**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7800e-003	0.2204	0.0885	1.0300e-003	0.0384	1.1600e-003	0.0396	0.0111	1.1000e-003	0.0122	0.0000	103.5085	103.5085	6.7100e-003	0.0151	108.1601
Worker	0.2591	0.1631	2.6169	8.9700e-003	1.1938	5.3500e-003	1.1992	0.3170	4.9200e-003	0.3220	0.0000	822.9148	822.9148	0.0160	0.0183	828.7589
Total	**0.2648**	**0.3835**	**2.7054**	**0.0100**	**1.2322**	**6.5100e-003**	**1.2387**	**0.3281**	**6.0200e-003**	**0.3341**	**0.0000**	**926.4233**	**926.4233**	**0.0227**	**0.0333**	**936.9190**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0801	0.7079	0.6854	1.5100e-003		0.0283	0.0283		0.0265	0.0265	0.0000	129.4980	129.4980	0.0379	0.0000	130.4465
Total	**0.0801**	**0.7079**	**0.6854**	**1.5100e-003**		**0.0283**	**0.0283**		**0.0265**	**0.0265**	**0.0000**	**129.4980**	**129.4980**	**0.0379**	**0.0000**	**130.4465**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7800e-003	0.2204	0.0885	1.0300e-003	0.0360	1.1600e-003	0.0371	0.0105	1.1000e-003	0.0116	0.0000	103.5085	103.5085	6.7100e-003	0.0151	108.1601
Worker	0.2591	0.1631	2.6169	8.9700e-003	1.1007	5.3500e-003	1.1060	0.2942	4.9200e-003	0.2991	0.0000	822.9148	822.9148	0.0160	0.0183	828.7589
Total	**0.2648**	**0.3835**	**2.7054**	**0.0100**	**1.1366**	**6.5100e-003**	**1.1431**	**0.3046**	**6.0200e-003**	**0.3107**	**0.0000**	**926.4233**	**926.4233**	**0.0227**	**0.0333**	**936.9190**

3.14 Residential Building B Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0875	0.7730	0.7485	1.6500e-003		0.0309	0.0309		0.0289	0.0289	0.0000	141.4185	141.4185	0.0414	0.0000	142.4543
Total	**0.0875**	**0.7730**	**0.7485**	**1.6500e-003**		**0.0309**	**0.0309**		**0.0289**	**0.0289**	**0.0000**	**141.4185**	**141.4185**	**0.0414**	**0.0000**	**142.4543**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2200e-003	0.2389	0.0963	1.1000e-003	0.0419	1.2600e-003	0.0432	0.0121	1.2000e-003	0.0133	0.0000	110.7247	110.7247	7.3800e-003	0.0162	115.7240
Worker	0.2688	0.1641	2.7183	9.5200e-003	1.3037	5.5000e-003	1.3092	0.3462	5.0600e-003	0.3513	0.0000	873.2541	873.2541	0.0160	0.0191	879.3298
Total	**0.2750**	**0.4030**	**2.8146**	**0.0106**	**1.3456**	**6.7600e-003**	**1.3524**	**0.3583**	**6.2600e-003**	**0.3646**	**0.0000**	**983.9787**	**983.9787**	**0.0234**	**0.0352**	**995.0539**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0875	0.7730	0.7485	1.6500e-003		0.0309	0.0309		0.0289	0.0289	0.0000	141.4183	141.4183	0.0414	0.0000	142.4541
Total	**0.0875**	**0.7730**	**0.7485**	**1.6500e-003**		**0.0309**	**0.0309**		**0.0289**	**0.0289**	**0.0000**	**141.4183**	**141.4183**	**0.0414**	**0.0000**	**142.4541**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2200e-003	0.2389	0.0963	1.1000e-003	0.0393	1.2600e-003	0.0405	0.0114	1.2000e-003	0.0126	0.0000	110.7247	110.7247	7.3800e-003	0.0162	115.7240
Worker	0.2688	0.1641	2.7183	9.5200e-003	1.2020	5.5000e-003	1.2075	0.3212	5.0600e-003	0.3263	0.0000	873.2541	873.2541	0.0160	0.0191	879.3298
Total	**0.2750**	**0.4030**	**2.8146**	**0.0106**	**1.2412**	**6.7600e-003**	**1.2480**	**0.3327**	**6.2600e-003**	**0.3389**	**0.0000**	**983.9787**	**983.9787**	**0.0234**	**0.0352**	**995.0539**

3.14 Residential Building B Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0218	0.1925	0.1864	4.1000e-004		7.6900e-003	7.6900e-003		7.2000e-003	7.2000e-003	0.0000	35.2192	35.2192	0.0103	0.0000	35.4771
Total	**0.0218**	**0.1925**	**0.1864**	**4.1000e-004**		**7.6900e-003**	**7.6900e-003**		**7.2000e-003**	**7.2000e-003**	**0.0000**	**35.2192**	**35.2192**	**0.0103**	**0.0000**	**35.4771**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0591	0.0240	2.7000e-004	0.0104	3.1000e-004	0.0108	3.0100e-003	3.0000e-004	3.3100e-003	0.0000	27.0253	27.0253	1.8600e-003	3.9600e-003	28.2510
Worker	0.0637	0.0380	0.6478	2.3100e-003	0.3247	1.2800e-003	0.3260	0.0862	1.1800e-003	0.0874	0.0000	211.8787	211.8787	3.6900e-003	4.5500e-003	213.3280
Total	**0.0652**	**0.0970**	**0.6718**	**2.5800e-003**	**0.3351**	**1.5900e-003**	**0.3367**	**0.0892**	**1.4800e-003**	**0.0907**	**0.0000**	**238.9041**	**238.9041**	**5.5500e-003**	**8.5100e-003**	**241.5790**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0218	0.1925	0.1864	4.1000e-004		7.6900e-003	7.6900e-003		7.2000e-003	7.2000e-003	0.0000	35.2191	35.2191	0.0103	0.0000	35.4771
Total	**0.0218**	**0.1925**	**0.1864**	**4.1000e-004**		**7.6900e-003**	**7.6900e-003**		**7.2000e-003**	**7.2000e-003**	**0.0000**	**35.2191**	**35.2191**	**0.0103**	**0.0000**	**35.4771**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0591	0.0240	2.7000e-004	9.7800e-003	3.1000e-004	0.0101	2.8500e-003	3.0000e-004	3.1500e-003	0.0000	27.0253	27.0253	1.8600e-003	3.9600e-003	28.2510
Worker	0.0637	0.0380	0.6478	2.3100e-003	0.2993	1.2800e-003	0.3006	0.0800	1.1800e-003	0.0812	0.0000	211.8787	211.8787	3.6900e-003	4.5500e-003	213.3280
Total	**0.0652**	**0.0970**	**0.6718**	**2.5800e-003**	**0.3091**	**1.5900e-003**	**0.3107**	**0.0829**	**1.4800e-003**	**0.0843**	**0.0000**	**238.9041**	**238.9041**	**5.5500e-003**	**8.5100e-003**	**241.5790**

3.15 Residential Building B Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9818					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4000e-003	0.0630	0.0995	1.6000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	14.0429	14.0429	7.7000e-004	0.0000	14.0621
Total	**0.9912**	**0.0630**	**0.0995**	**1.6000e-004**		**2.8300e-003**	**2.8300e-003**		**2.8300e-003**	**2.8300e-003**	**0.0000**	**14.0429**	**14.0429**	**7.7000e-004**	**0.0000**	**14.0621**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0108	6.4200e-003	0.1096	3.9000e-004	0.0549	2.2000e-004	0.0552	0.0146	2.0000e-004	0.0148	0.0000	35.8564	35.8564	6.2000e-004	7.7000e-004	36.1017
Total	**0.0108**	**6.4200e-003**	**0.1096**	**3.9000e-004**	**0.0549**	**2.2000e-004**	**0.0552**	**0.0146**	**2.0000e-004**	**0.0148**	**0.0000**	**35.8564**	**35.8564**	**6.2000e-004**	**7.7000e-004**	**36.1017**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9818					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4000e-003	0.0630	0.0995	1.6000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	14.0429	14.0429	7.7000e-004	0.0000	14.0620
Total	**0.9912**	**0.0630**	**0.0995**	**1.6000e-004**		**2.8300e-003**	**2.8300e-003**		**2.8300e-003**	**2.8300e-003**	**0.0000**	**14.0429**	**14.0429**	**7.7000e-004**	**0.0000**	**14.0620**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0108	6.4200e-003	0.1096	3.9000e-004	0.0507	2.2000e-004	0.0509	0.0135	2.0000e-004	0.0137	0.0000	35.8564	35.8564	6.2000e-004	7.7000e-004	36.1017
Total	**0.0108**	**6.4200e-003**	**0.1096**	**3.9000e-004**	**0.0507**	**2.2000e-004**	**0.0509**	**0.0135**	**2.0000e-004**	**0.0137**	**0.0000**	**35.8564**	**35.8564**	**6.2000e-004**	**7.7000e-004**	**36.1017**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Brea Mall Mixed-Use Project (Option 2) Construction Run

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	398.50	1000sqft	5.47	398,500.00	0
Other Asphalt Surfaces	192.00	1000sqft	4.41	192,000.00	0
Other Non-Asphalt Surfaces	206.53	1000sqft	2.86	206,533.70	0
Parking Lot	129.81	1000sqft	2.98	129,809.00	0
Apartments Mid Rise	670.00	Dwelling Unit	0.00	750,300.00	1115
Regional Shopping Center	119.42	1000sqft	0.80	119,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - structures are comprised of multiple stories

Construction Phase - based on information provided by applicant. see project description for construction durations

Off-road Equipment - based on information provided by the applicant

Off-road Equipment - no additional equipment required for asphalt demolition debris haul

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - based on information provided by applicant

Off-road Equipment - no additional equipment required for building demolition haul

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - no additional equipment required for site preparation soil haul

Off-road Equipment - no additional equipment required for site preparation soil haul

Trips and VMT - assumes 4 vt/water truck/day. Assumes that 2 dump trucks will be used for asphalt demo haul. Building Construction and Arch Coat are calculated based on CalEEMod Appendix A rates

Demolition -

Grading -

Architectural Coating - see assumptions file for calculations. Parking only accounts for parking area and driveways

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	59,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	59,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	179,123.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	179,123.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,611.00	0.00

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblArchitecturalCoating	ConstArea_Parking	55,611.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,611.00	43,219.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	211,815.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	294,638.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	635,445.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	883,913.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	59708	123708
tblAreaCoating	Area_Nonresidential_Interior	179123	371123
tblAreaCoating	Area_Parking	55611	55400
tblAreaCoating	Area_Residential_Exterior	506453	294638
tblAreaCoating	Area_Residential_Interior	1519358	883913
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	55.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	300.00	565.00
tblConstructionPhase	NumDays	300.00	695.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	98.00
tblConstructionPhase	NumDays	10.00	65.00

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	10.00	33.00
tblFireplaces	NumberGas	569.50	331.50
tblFireplaces	NumberNoFireplace	67.00	39.00
tblFireplaces	NumberWood	33.50	19.50
tblGrading	MaterialExported	0.00	25,416.00
tblGrading	MaterialExported	0.00	12,904.00
tblLandUse	LandUseSquareFeet	206,530.00	206,533.70
tblLandUse	LandUseSquareFeet	129,810.00	129,809.00
tblLandUse	LandUseSquareFeet	670,000.00	750,300.00
tblLandUse	LandUseSquareFeet	119,420.00	119,415.00
tblLandUse	LotAcreage	9.15	5.47
tblLandUse	LotAcreage	4.74	2.86
tblLandUse	LotAcreage	17.63	0.00
tblLandUse	LotAcreage	2.74	0.80
tblLandUse	Population	1,916.00	1,115.00
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	158.00	131.00
tblOffRoadEquipment	HorsePower	130.00	188.00
tblOffRoadEquipment	HorsePower	80.00	86.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	101.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	367.00	365.00

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblSolidWaste	SolidWasteGenerationRate	308.20	179.40
tblTripsAndVMT	HaulingTripNumber	158.00	160.00
tblTripsAndVMT	HaulingTripNumber	112.00	163.00
tblTripsAndVMT	HaulingTripNumber	3,177.00	3,178.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	243.00	51.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	243.00	91.00
tblWater	IndoorWaterUseRate	43,653,197.17	25,410,069.99
tblWater	OutdoorWaterUseRate	27,520,493.87	16,019,391.95
tblWoodstoves	NumberCatalytic	33.50	19.50
tblWoodstoves	NumberNoncatalytic	33.50	19.50

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.2759	109.2263	67.4349	0.1943	11.9187	3.8737	15.7924	1.7867	3.5659	5.0624	0.0000	19,313.9056	19,313.9056	5.3671	0.6096	19,611.7042
2023	30.4131	110.2688	100.2587	0.3072	22.6720	3.8939	26.5658	4.3614	3.5882	7.9496	0.0000	30,782.9144	30,782.9144	6.0129	0.9652	31,220.8781
2024	8.0184	21.3038	41.1145	0.1340	10.8765	0.7110	11.5875	2.8976	0.6586	3.5562	0.0000	13,514.1301	13,514.1301	1.2956	0.4323	13,675.3441
2025	45.2117	12.9787	39.7895	0.1307	12.7878	0.4134	13.2012	3.4045	0.3930	3.7976	0.0000	13,230.1020	13,230.1020	0.6785	0.4491	13,380.8824
2026	2.8741	8.9040	29.4132	0.0991	10.4977	0.2911	10.7888	2.7914	0.2720	3.0634	0.0000	10,012.6628	10,012.6628	0.5554	0.2950	10,114.4563
2027	2.7644	8.7956	28.2848	0.0967	10.4977	0.2884	10.7862	2.7914	0.2695	3.0609	0.0000	9,770.5002	9,770.5002	0.5441	0.2856	9,869.2107
2028	39.0932	11.2038	35.1338	0.1153	12.5321	0.3964	12.9285	3.3309	0.3771	3.7081	0.0000	11,606.7789	11,606.7789	0.5898	0.3061	11,712.7408
Maximum	**45.2117**	**110.2688**	**100.2587**	**0.3072**	**22.6720**	**3.8939**	**26.5658**	**4.3614**	**3.5882**	**7.9496**	**0.0000**	**30,782.9144**	**30,782.9144**	**6.0129**	**0.9652**	**31,220.8781**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Year	lb/day										lb/day					
2022	9.2759	109.2263	67.4349	0.1943	5.7316	3.8737	9.6053	0.9222	3.5659	4.3808	0.0000	19,313.9056	19,313.9056	5.3671	0.6096	19,611.7042
2023	30.4131	110.2688	100.2587	0.3072	15.6517	3.8939	19.5455	3.4753	3.5882	7.0635	0.0000	30,782.9143	30,782.9143	6.0129	0.9652	31,220.8781
2024	8.0184	21.3038	41.1145	0.1340	10.0336	0.7110	10.7447	2.6908	0.6586	3.3494	0.0000	13,514.1301	13,514.1301	1.2956	0.4323	13,675.3441
2025	45.2117	12.9787	39.7895	0.1307	11.7954	0.4134	12.2088	3.1610	0.3930	3.5540	0.0000	13,230.1020	13,230.1020	0.6785	0.4491	13,380.8824
2026	2.8741	8.9040	29.4132	0.0991	9.6809	0.2911	9.9720	2.5909	0.2720	2.8629	0.0000	10,012.6628	10,012.6628	0.5554	0.2950	10,114.4563
2027	2.7644	8.7956	28.2848	0.0967	9.6809	0.2884	9.9694	2.5909	0.2695	2.8604	0.0000	9,770.5002	9,770.5002	0.5441	0.2856	9,869.2107
2028	39.0932	11.2038	35.1338	0.1153	11.5561	0.3964	11.9525	3.0914	0.3771	3.4685	0.0000	11,606.7789	11,606.7789	0.5898	0.3061	11,712.7408
Maximum	**45.2117**	**110.2688**	**100.2587**	**0.3072**	**15.6517**	**3.8939**	**19.5455**	**3.4753**	**3.5882**	**7.0635**	**0.0000**	**30,782.9143**	**30,782.9143**	**6.0129**	**0.9652**	**31,220.8781**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**19.23**	**0.00**	**17.37**	**13.30**	**0.00**	**8.80**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Demolition	Demolition	6/1/2022	9/30/2022	5	88	a
2	Asphalt Demolition	Demolition	7/1/2022	8/15/2022	5	32	c
3	Building Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	b
4	Asphalt Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	d
5	Site Preparation	Site Preparation	10/1/2022	2/15/2023	5	98	e
6	Site Preparation Soil Haul 2022	Site Preparation	10/1/2022	12/31/2022	5	65	f
7	Site Preparation Soil Haul 2023	Site Preparation	1/1/2023	2/15/2023	5	33	g
8	Retail and Residential Building A Building Construction	Building Construction	2/1/2023	9/30/2025	5	695	h
9	Retail Architectural Coating	Architectural Coating	10/15/2023	12/23/2023	5	50	i
10	Finishing and Landscaping	Trenching	4/1/2024	4/30/2024	5	22	l
11	Paving	Paving	4/1/2024	4/7/2024	5	5	k
12	Residential Building A Architectural Coating	Architectural Coating	7/1/2025	9/30/2025	5	66	j
13	Residential Building B Building Construction	Building Construction	2/1/2026	3/31/2028	5	565	m
14	Residential Building B Architectural Coating	Architectural Coating	1/15/2028	3/31/2028	5	55	n

Acres of Grading (Site Preparation Phase): 980

Acres of Grading (Grading Phase): 0

Acres of Paving: 15.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 179,123; Non-Residential Outdoor: 59,708; Striped Parking Area: 43,219

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Building Demolition	Excavators	2	8.00	131	0.38
Building Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Debris Haul	Excavators	0	8.00	158	0.38
Building Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38
Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Excavators	1	8.00	101	0.38
Site Preparation	Graders	4	8.00	238	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	8	8.00	365	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation Soil Haul 2022	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2022	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation Soil Haul 2023	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2023	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Retail and Residential Building A Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Retail and Residential Building A Building Construction	Cranes	1	8.00	300	0.29
Retail and Residential Building A Building Construction	Forklifts	0	8.00	89	0.20
Retail and Residential Building A Building Construction	Generator Sets	0	8.00	84	0.74
Retail and Residential Building A Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Retail and Residential Building A Building Construction	Welders	0	8.00	46	0.45
Retail Architectural Coating	Air Compressors	2	6.00	78	0.48
Residential Building A Architectural Coating	Air Compressors	2	6.00	78	0.48
Paving	Pavers	1	8.00	188	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	8.00	86	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Finishing and Landscaping	Graders	1	8.00	238	0.41
Residential Building B Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73
Residential Building B Building Construction	Cranes	1	8.00	300	0.29
Residential Building B Building Construction	Forklifts	0	8.00	89	0.20
Residential Building B Building Construction	Generator Sets	0	8.00	84	0.74
Residential Building B Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Residential Building B Building Construction	Welders	0	8.00	46	0.45
Residential Building B Architectural Coating	Air Compressors	2	6.00	78	0.48

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Demolition	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Debris Haul	0	0.00	0.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition Debris Haul	0	0.00	0.00	163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2022	0	0.00	0.00	3,178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2023	0	0.00	0.00	1,613.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail and Residential Building A Building	3	910.00	91.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building A Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing and Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building B Building Construction	3	910.00	51.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building B Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7282	11.3102	12.7732	0.0358		0.4637	0.4637		0.4451	0.4451		3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**1.7282**	**11.3102**	**12.7732**	**0.0358**		**0.4637**	**0.4637**		**0.4451**	**0.4451**		**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6700e-003	9.0300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.0301	0.0202	0.3286	9.7000e-004	0.1118	6.0000e-004	0.1124	0.0296	5.5000e-004	0.0302		98.4712	98.4712	2.3200e-003	2.2100e-003	99.1885
Total	**0.0367**	**0.1997**	**0.3924**	**1.7300e-003**	**0.1374**	**2.3500e-003**	**0.1397**	**0.0370**	**2.2200e-003**	**0.0392**		**181.4142**	**181.4142**	**7.0700e-003**	**0.0141**	**185.7925**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7282	11.3102	12.7732	0.0358		0.4637	0.4637		0.4451	0.4451	0.0000	3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**1.7282**	**11.3102**	**12.7732**	**0.0358**		**0.4637**	**0.4637**		**0.4451**	**0.4451**	**0.0000**	**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6700e-003	8.6300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.0301	0.0202	0.3286	9.7000e-004	0.1030	6.0000e-004	0.1036	0.0275	5.5000e-004	0.0281		98.4712	98.4712	2.3200e-003	2.2100e-003	99.1885
Total	**0.0367**	**0.1997**	**0.3924**	**1.7300e-003**	**0.1270**	**2.3500e-003**	**0.1293**	**0.0345**	**2.2200e-003**	**0.0367**		**181.4142**	**181.4142**	**7.0700e-003**	**0.0141**	**185.7925**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Asphalt Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Total	**0.1647**	**1.6756**	**2.2379**	**3.1100e-003**		**0.0901**	**0.0901**		**0.0829**	**0.0829**		**301.2390**	**301.2390**	**0.0974**		**303.6746**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6700e-003	9.0300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	9.0200e-003	6.0600e-003	0.0986	2.9000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.7000e-004	9.0600e-003		29.5414	29.5414	6.9000e-004	6.6000e-004	29.7566
Total	**0.0157**	**0.1855**	**0.1623**	**1.0500e-003**	**0.0591**	**1.9300e-003**	**0.0610**	**0.0163**	**1.8400e-003**	**0.0181**		**112.4844**	**112.4844**	**5.4400e-003**	**0.0126**	**116.3606**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
Total	**0.1647**	**1.6756**	**2.2379**	**3.1100e-003**		**0.0901**	**0.0901**		**0.0829**	**0.0829**	**0.0000**	**301.2390**	**301.2390**	**0.0974**		**303.6746**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6700e-003	8.6300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	9.0200e-003	6.0600e-003	0.0986	2.9000e-004	0.0309	1.8000e-004	0.0311	8.2500e-003	1.7000e-004	8.4200e-003		29.5414	29.5414	6.9000e-004	6.6000e-004	29.7566
Total	**0.0157**	**0.1855**	**0.1623**	**1.0500e-003**	**0.0549**	**1.9300e-003**	**0.0568**	**0.0152**	**1.8400e-003**	**0.0171**		**112.4844**	**112.4844**	**5.4400e-003**	**0.0126**	**116.3606**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7064	0.0000	5.7064	0.8640	0.0000	0.8640			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.7064**	**0.0000**	**5.7064**	**0.8640**	**0.0000**	**0.8640**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1080	4.1518	1.1662	0.0159	0.4651	0.0314	0.4965	0.1274	0.0301	0.1574		1,802.9238	1,802.9238	0.1719	0.2888	1,893.2714
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1080**	**4.1518**	**1.1662**	**0.0159**	**0.4651**	**0.0314**	**0.4965**	**0.1274**	**0.0301**	**0.1574**		**1,802.9238**	**1,802.9238**	**0.1719**	**0.2888**	**1,893.2714**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4395	0.0000	2.4395	0.3694	0.0000	0.3694			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.4395**	**0.0000**	**2.4395**	**0.3694**	**0.0000**	**0.3694**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1080	4.1518	1.1662	0.0159	0.4334	0.0314	0.4648	0.1196	0.0301	0.1496		1,802.9238	1,802.9238	0.1719	0.2888	1,893.2714
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1080**	**4.1518**	**1.1662**	**0.0159**	**0.4334**	**0.0314**	**0.4648**	**0.1196**	**0.0301**	**0.1496**		**1,802.9238**	**1,802.9238**	**0.1719**	**0.2888**	**1,893.2714**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Asphalt Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0444	0.0000	4.0444	0.6124	0.0000	0.6124			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.0444**	**0.0000**	**4.0444**	**0.6124**	**0.0000**	**0.6124**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1100	4.2296	1.1881	0.0162	0.4738	0.0320	0.5058	0.1298	0.0306	0.1604		1,836.7286	1,836.7286	0.1751	0.2942	1,928.7702
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1100**	**4.2296**	**1.1881**	**0.0162**	**0.4738**	**0.0320**	**0.5058**	**0.1298**	**0.0306**	**0.1604**		**1,836.7286**	**1,836.7286**	**0.1751**	**0.2942**	**1,928.7702**

Mitigated Construction On-Site

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7290	0.0000	1.7290	0.2618	0.0000	0.2618			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.7290**	**0.0000**	**1.7290**	**0.2618**	**0.0000**	**0.2618**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1100	4.2296	1.1881	0.0162	0.4415	0.0320	0.4735	0.1218	0.0306	0.1524		1,836.7286	1,836.7286	0.1751	0.2942	1,928.7702
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1100**	**4.2296**	**1.1881**	**0.0162**	**0.4415**	**0.0320**	**0.4735**	**0.1218**	**0.0306**	**0.1524**		**1,836.7286**	**1,836.7286**	**0.1751**	**0.2942**	**1,928.7702**

3.6 Site Preparation - 2022

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.9659	101.3640	64.0828	0.1609		3.8122	3.8122		3.5072	3.5072		15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**8.9659**	**101.3640**	**64.0828**	**0.1609**	**10.6050**	**3.8122**	**14.4172**	**1.1451**	**3.5072**	**4.6523**		**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6700e-003	9.0300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.1053	0.0707	1.1502	3.4100e-003	0.3912	2.1100e-003	0.3933	0.1038	1.9400e-003	0.1057		344.6490	344.6490	8.1100e-003	7.7500e-003	347.1598
Total	**0.1119**	**0.2502**	**1.2140**	**4.1700e-003**	**0.4168**	**3.8600e-003**	**0.4207**	**0.1111**	**3.6100e-003**	**0.1147**		**427.5921**	**427.5921**	**0.0129**	**0.0196**	**433.7638**

Mitigated Construction On-Site

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	8.9659	101.3640	64.0828	0.1609		3.8122	3.8122		3.5072	3.5072	0.0000	15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**8.9659**	**101.3640**	**64.0828**	**0.1609**	**4.5336**	**3.8122**	**8.3459**	**0.4895**	**3.5072**	**3.9968**	**0.0000**	**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6700e-003	8.6300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.1053	0.0707	1.1502	3.4100e-003	0.3606	2.1100e-003	0.3627	0.0962	1.9400e-003	0.0982		344.6490	344.6490	8.1100e-003	7.7500e-003	347.1598
Total	**0.1119**	**0.2502**	**1.2140**	**4.1700e-003**	**0.3846**	**3.8600e-003**	**0.3884**	**0.1032**	**3.6100e-003**	**0.1068**		**427.5921**	**427.5921**	**0.0129**	**0.0196**	**433.7638**

3.6 Site Preparation - 2023

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.5191	92.7414	62.0147	0.1609		3.5061	3.5061		3.2256	3.2256		15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**8.5191**	**92.7414**	**62.0147**	**0.1609**	**10.6050**	**3.5061**	**14.1111**	**1.1451**	**3.2256**	**4.3707**		**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0400e-003	0.1402	0.0581	7.2000e-004	0.0256	7.2000e-004	0.0263	7.3600e-003	6.9000e-004	8.0500e-003		78.9798	78.9798	4.7000e-003	0.0113	82.4743
Worker	0.0986	0.0631	1.0688	3.3000e-003	0.3912	1.9900e-003	0.3932	0.1038	1.8400e-003	0.1056		333.6766	333.6766	7.3300e-003	7.2100e-003	336.0081
Total	**0.1026**	**0.2032**	**1.1270**	**4.0200e-003**	**0.4168**	**2.7100e-003**	**0.4195**	**0.1111**	**2.5300e-003**	**0.1136**		**412.6563**	**412.6563**	**0.0120**	**0.0185**	**418.4823**

Mitigated Construction On-Site

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	8.5191	92.7414	62.0147	0.1609		3.5061	3.5061		3.2256	3.2256	0.0000	15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**8.5191**	**92.7414**	**62.0147**	**0.1609**	**4.5336**	**3.5061**	**8.0398**	**0.4895**	**3.2256**	**3.7152**	**0.0000**	**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0400e-003	0.1402	0.0581	7.2000e-004	0.0239	7.2000e-004	0.0247	6.9600e-003	6.9000e-004	7.6500e-003		78.9798	78.9798	4.7000e-003	0.0113	82.4743
Worker	0.0986	0.0631	1.0688	3.3000e-003	0.3606	1.9900e-003	0.3626	0.0962	1.8400e-003	0.0981		333.6766	333.6766	7.3300e-003	7.2100e-003	336.0081
Total	**0.1026**	**0.2032**	**1.1270**	**4.0200e-003**	**0.3845**	**2.7100e-003**	**0.3873**	**0.1032**	**2.5300e-003**	**0.1057**		**412.6563**	**412.6563**	**0.0120**	**0.0185**	**418.4823**

3.7 Site Preparation Soil Haul 2022 - 2022

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1981	7.6121	2.1382	0.0292	0.8527	0.0576	0.9103	0.2335	0.0551	0.2886		3,305.5914	3,305.5914	0.3151	0.5294	3,471.2402
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1981**	**7.6121**	**2.1382**	**0.0292**	**0.8527**	**0.0576**	**0.9103**	**0.2335**	**0.0551**	**0.2886**		**3,305.5914**	**3,305.5914**	**0.3151**	**0.5294**	**3,471.2402**

Mitigated Construction On-Site

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1981	7.6121	2.1382	0.0292	0.7945	0.0576	0.8521	0.2192	0.0551	0.2743		3,305.5914	3,305.5914	0.3151	0.5294	3,471.2402
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1981**	**7.6121**	**2.1382**	**0.0292**	**0.7945**	**0.0576**	**0.8521**	**0.2192**	**0.0551**	**0.2743**		**3,305.5914**	**3,305.5914**	**0.3151**	**0.5294**	**3,471.2402**

3.8 Site Preparation Soil Haul 2023 - 2023

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1019	5.8250	1.9968	0.0274	0.8524	0.0375	0.8899	0.2334	0.0359	0.2693		3,126.0457	3,126.0457	0.3154	0.5015	3,283.3653
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1019**	**5.8250**	**1.9968**	**0.0274**	**0.8524**	**0.0375**	**0.8899**	**0.2334**	**0.0359**	**0.2693**		**3,126.0457**	**3,126.0457**	**0.3154**	**0.5015**	**3,283.3653**

Mitigated Construction On-Site

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1019	5.8250	1.9968	0.0274	0.7943	0.0375	0.8318	0.2192	0.0359	0.2550		3,126.0457	3,126.0457	0.3154	0.5015	3,283.3653
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1019**	**5.8250**	**1.9968**	**0.0274**	**0.7943**	**0.0375**	**0.8318**	**0.2192**	**0.0359**	**0.2550**		**3,126.0457**	**3,126.0457**	**0.3154**	**0.5015**	**3,283.3653**

3.9 Retail and Residential Building A Building Construction - 2023

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7168	6.6706	6.0084	0.0127		0.2793	0.2793		0.2608	0.2608		1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.7168**	**6.6706**	**6.0084**	**0.0127**		**0.2793**	**0.2793**		**0.2608**	**0.2608**		**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0919	3.1892	1.3223	0.0164	0.5819	0.0164	0.5982	0.1675	0.0157	0.1831		1,796.7894	1,796.7894	0.1068	0.2578	1,876.2894
Worker	2.5625	1.6392	27.7896	0.0858	10.1717	0.0519	10.2235	2.6976	0.0477	2.7453		8,675.5913	8,675.5913	0.1907	0.1874	8,736.2098
Total	**2.6544**	**4.8284**	**29.1118**	**0.1022**	**10.7535**	**0.0682**	**10.8217**	**2.8650**	**0.0634**	**2.9284**		**10,472.3807**	**10,472.3807**	**0.2975**	**0.4452**	**10,612.4992**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7168	6.6706	6.0084	0.0127		0.2793	0.2793		0.2608	0.2608	0.0000	1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.7168**	**6.6706**	**6.0084**	**0.0127**		**0.2793**	**0.2793**		**0.2608**	**0.2608**	**0.0000**	**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0919	3.1892	1.3223	0.0164	0.5445	0.0164	0.5609	0.1583	0.0157	0.1740		1,796.7894	1,796.7894	0.1068	0.2578	1,876.2894
Worker	2.5625	1.6392	27.7896	0.0858	9.3758	0.0519	9.4276	2.5022	0.0477	2.5500		8,675.5913	8,675.5913	0.1907	0.1874	8,736.2098
Total	**2.6544**	**4.8284**	**29.1118**	**0.1022**	**9.9203**	**0.0682**	**9.9885**	**2.6605**	**0.0634**	**2.7239**		**10,472.3807**	**10,472.3807**	**0.2975**	**0.4452**	**10,612.4992**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7005	6.3874	5.8937	0.0127		0.2619	0.2619		0.2448	0.2448		1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.7005**	**6.3874**	**5.8937**	**0.0127**		**0.2619**	**0.2619**		**0.2448**	**0.2448**		**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0905	3.1798	1.3124	0.0161	0.5819	0.0171	0.5990	0.1675	0.0164	0.1838		1,768.9159	1,768.9159	0.1080	0.2549	1,847.5728
Worker	2.4080	1.4722	25.8584	0.0831	10.1717	0.0493	10.2209	2.6976	0.0453	2.7429		8,400.0728	8,400.0728	0.1729	0.1753	8,456.6292
Total	**2.4985**	**4.6520**	**27.1709**	**0.0992**	**10.7535**	**0.0664**	**10.8199**	**2.8650**	**0.0617**	**2.9267**		**10,168.9887**	**10,168.9887**	**0.2808**	**0.4302**	**10,304.2020**

Mitigated Construction On-Site

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7005	6.3874	5.8937	0.0127		0.2619	0.2619		0.2448	0.2448	0.0000	1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.7005**	**6.3874**	**5.8937**	**0.0127**		**0.2619**	**0.2619**		**0.2448**	**0.2448**	**0.0000**	**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0905	3.1798	1.3124	0.0161	0.5445	0.0171	0.5616	0.1583	0.0164	0.1747		1,768.9159	1,768.9159	0.1080	0.2549	1,847.5728
Worker	2.4080	1.4722	25.8584	0.0831	9.3758	0.0493	9.4250	2.5022	0.0453	2.5476		8,400.0728	8,400.0728	0.1729	0.1753	8,456.6292
Total	**2.4985**	**4.6520**	**27.1709**	**0.0992**	**9.9203**	**0.0664**	**9.9867**	**2.6605**	**0.0617**	**2.7222**		**10,168.9887**	**10,168.9887**	**0.2808**	**0.4302**	**10,304.2020**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0892	3.1641	1.3072	0.0158	0.5819	0.0172	0.5991	0.1675	0.0165	0.1839		1,735.8000	1,735.8000	0.1093	0.2512	1,813.3847
Worker	2.2729	1.3334	24.2735	0.0803	10.1717	0.0471	10.2187	2.6976	0.0433	2.7409		8,114.0568	8,114.0568	0.1570	0.1649	8,167.1224
Total	**2.3621**	**4.4976**	**25.5807**	**0.0960**	**10.7535**	**0.0643**	**10.8178**	**2.8650**	**0.0598**	**2.9248**		**9,849.8568**	**9,849.8568**	**0.2664**	**0.4161**	**9,980.5071**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0892	3.1641	1.3072	0.0158	0.5445	0.0172	0.5617	0.1583	0.0165	0.1748		1,735.8000	1,735.8000	0.1093	0.2512	1,813.3847
Worker	2.2729	1.3334	24.2735	0.0803	9.3758	0.0471	9.4229	2.5022	0.0433	2.5455		8,114.0568	8,114.0568	0.1570	0.1649	8,167.1224
Total	**2.3621**	**4.4976**	**25.5807**	**0.0960**	**9.9203**	**0.0643**	**9.9846**	**2.6605**	**0.0598**	**2.7203**		**9,849.8568**	**9,849.8568**	**0.2664**	**0.4161**	**9,980.5071**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Retail Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.1460					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**26.5294**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5125	0.3279	5.5579	0.0172	2.0343	0.0104	2.0447	0.5395	9.5500e-003	0.5491		1,735.1183	1,735.1183	0.0381	0.0375	1,747.2420
Total	**0.5125**	**0.3279**	**5.5579**	**0.0172**	**2.0343**	**0.0104**	**2.0447**	**0.5395**	**9.5500e-003**	**0.5491**		**1,735.1183**	**1,735.1183**	**0.0381**	**0.0375**	**1,747.2420**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.1460					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**26.5294**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5125	0.3279	5.5579	0.0172	1.8752	0.0104	1.8855	0.5004	9.5500e-003	0.5100		1,735.1183	1,735.1183	0.0381	0.0375	1,747.2420
Total	**0.5125**	**0.3279**	**5.5579**	**0.0172**	**1.8752**	**0.0104**	**1.8855**	**0.5004**	**9.5500e-003**	**0.5100**		**1,735.1183**	**1,735.1183**	**0.0381**	**0.0375**	**1,747.2420**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Finishing and Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4513	5.2891	2.1082	8.4200e-003		0.1715	0.1715		0.1578	0.1578		815.1913	815.1913	0.2637		821.7826
Total	**0.4513**	**5.2891**	**2.1082**	**8.4200e-003**		**0.1715**	**0.1715**		**0.1578**	**0.1578**		**815.1913**	**815.1913**	**0.2637**		**821.7826**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9400e-003	4.8500e-003	0.0853	2.7000e-004	0.0335	1.6000e-004	0.0337	8.8900e-003	1.5000e-004	9.0400e-003		27.6926	27.6926	5.7000e-004	5.8000e-004	27.8790
Total	**7.9400e-003**	**4.8500e-003**	**0.0853**	**2.7000e-004**	**0.0335**	**1.6000e-004**	**0.0337**	**8.8900e-003**	**1.5000e-004**	**9.0400e-003**		**27.6926**	**27.6926**	**5.7000e-004**	**5.8000e-004**	**27.8790**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4513	5.2891	2.1082	8.4200e-003		0.1715	0.1715		0.1578	0.1578	0.0000	815.1913	815.1913	0.2637		821.7826
Total	**0.4513**	**5.2891**	**2.1082**	**8.4200e-003**		**0.1715**	**0.1715**		**0.1578**	**0.1578**	**0.0000**	**815.1913**	**815.1913**	**0.2637**		**821.7826**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9400e-003	4.8500e-003	0.0853	2.7000e-004	0.0309	1.6000e-004	0.0311	8.2500e-003	1.5000e-004	8.4000e-003		27.6926	27.6926	5.7000e-004	5.8000e-004	27.8790
Total	**7.9400e-003**	**4.8500e-003**	**0.0853**	**2.7000e-004**	**0.0309**	**1.6000e-004**	**0.0311**	**8.2500e-003**	**1.5000e-004**	**8.4000e-003**		**27.6926**	**27.6926**	**5.7000e-004**	**5.8000e-004**	**27.8790**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4666	4.9575	5.6292	0.0128		0.2106	0.2106		0.1938	0.1938		1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.3390**	**4.9575**	**5.6292**	**0.0128**		**0.2106**	**0.2106**		**0.1938**	**0.1938**		**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0212	0.0129	0.2273	7.3000e-004	0.0894	4.3000e-004	0.0899	0.0237	4.0000e-004	0.0241		73.8468	73.8468	1.5200e-003	1.5400e-003	74.3440
Total	**0.0212**	**0.0129**	**0.2273**	**7.3000e-004**	**0.0894**	**4.3000e-004**	**0.0899**	**0.0237**	**4.0000e-004**	**0.0241**		**73.8468**	**73.8468**	**1.5200e-003**	**1.5400e-003**	**74.3440**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4666	4.9575	5.6292	0.0128		0.2106	0.2106		0.1938	0.1938	0.0000	1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.3390**	**4.9575**	**5.6292**	**0.0128**		**0.2106**	**0.2106**		**0.1938**	**0.1938**	**0.0000**	**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0212	0.0129	0.2273	7.3000e-004	0.0824	4.3000e-004	0.0829	0.0220	4.0000e-004	0.0224		73.8468	73.8468	1.5200e-003	1.5400e-003	74.3440
Total	**0.0212**	**0.0129**	**0.2273**	**7.3000e-004**	**0.0824**	**4.3000e-004**	**0.0829**	**0.0220**	**4.0000e-004**	**0.0224**		**73.8468**	**73.8468**	**1.5200e-003**	**1.5400e-003**	**74.3440**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Residential Building A Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	**41.7249**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**		**562.8961**	**562.8961**	**0.0307**		**563.6637**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4546	0.2667	4.8547	0.0161	2.0343	9.4100e-003	2.0437	0.5395	8.6600e-003	0.5482		1,622.8114	1,622.8114	0.0314	0.0330	1,633.4245
Total	**0.4546**	**0.2667**	**4.8547**	**0.0161**	**2.0343**	**9.4100e-003**	**2.0437**	**0.5395**	**8.6600e-003**	**0.5482**		**1,622.8114**	**1,622.8114**	**0.0314**	**0.0330**	**1,633.4245**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	**41.7249**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**	**0.0000**	**562.8961**	**562.8961**	**0.0307**		**563.6637**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4546	0.2667	4.8547	0.0161	1.8752	9.4100e-003	1.8846	0.5004	8.6600e-003	0.5091		1,622.8114	1,622.8114	0.0314	0.0330	1,633.4245
Total	**0.4546**	**0.2667**	**4.8547**	**0.0161**	**1.8752**	**9.4100e-003**	**1.8846**	**0.5004**	**8.6600e-003**	**0.5091**		**1,622.8114**	**1,622.8114**	**0.0314**	**0.0330**	**1,633.4245**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Residential Building B Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0493	1.7606	0.7303	8.6400e-003	0.3261	9.6500e-003	0.3357	0.0939	9.2300e-003	0.1031		954.1695	954.1695	0.0620	0.1386	997.0258
Worker	2.1548	1.2200	22.9470	0.0778	10.1717	0.0448	10.2164	2.6976	0.0412	2.7388		7,863.9556	7,863.9556	0.1435	0.1564	7,914.1434
Total	**2.2040**	**2.9806**	**23.6773**	**0.0864**	**10.4977**	**0.0544**	**10.5522**	**2.7914**	**0.0504**	**2.8418**		**8,818.1250**	**8,818.1250**	**0.2054**	**0.2950**	**8,911.1692**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0493	1.7606	0.7303	8.6400e-003	0.3052	9.6500e-003	0.3148	0.0887	9.2300e-003	0.0979		954.1695	954.1695	0.0620	0.1386	997.0258
Worker	2.1548	1.2200	22.9470	0.0778	9.3758	0.0448	9.4206	2.5022	0.0412	2.5434		7,863.9556	7,863.9556	0.1435	0.1564	7,914.1434
Total	**2.2040**	**2.9806**	**23.6773**	**0.0864**	**9.6809**	**0.0544**	**9.7354**	**2.5909**	**0.0504**	**2.6414**		**8,818.1250**	**8,818.1250**	**0.2054**	**0.2950**	**8,911.1692**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Residential Building B Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0486	1.7474	0.7281	8.4500e-003	0.3261	9.6200e-003	0.3357	0.0939	9.2000e-003	0.1031		934.6434	934.6434	0.0624	0.1363	976.8227
Worker	2.0457	1.1248	21.8209	0.0756	10.1717	0.0421	10.2138	2.6976	0.0388	2.7363		7,641.3191	7,641.3191	0.1318	0.1493	7,689.1009
Total	**2.0943**	**2.8722**	**22.5490**	**0.0841**	**10.4977**	**0.0518**	**10.5495**	**2.7914**	**0.0480**	**2.8394**		**8,575.9625**	**8,575.9625**	**0.1942**	**0.2856**	**8,665.9236**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0486	1.7474	0.7281	8.4500e-003	0.3051	9.6200e-003	0.3148	0.0887	9.2000e-003	0.0979		934.6434	934.6434	0.0624	0.1363	976.8227
Worker	2.0457	1.1248	21.8209	0.0756	9.3758	0.0421	9.4179	2.5022	0.0388	2.5410		7,641.3191	7,641.3191	0.1318	0.1493	7,689.1009
Total	**2.0943**	**2.8722**	**22.5490**	**0.0841**	**9.6809**	**0.0518**	**9.7327**	**2.5909**	**0.0480**	**2.6389**		**8,575.9625**	**8,575.9625**	**0.1942**	**0.2856**	**8,665.9236**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Residential Building B Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0480	1.7356	0.7276	8.2700e-003	0.3261	9.5900e-003	0.3357	0.0938	9.1700e-003	0.1030		915.9989	915.9989	0.0630	0.1341	957.5225
Worker	1.9441	1.0448	20.8767	0.0737	10.1717	0.0393	10.2110	2.6976	0.0362	2.7337		7,444.4550	7,444.4550	0.1217	0.1434	7,490.2228
Total	**1.9921**	**2.7804**	**21.6043**	**0.0819**	**10.4977**	**0.0489**	**10.5466**	**2.7914**	**0.0453**	**2.8368**		**8,360.4540**	**8,360.4540**	**0.1847**	**0.2774**	**8,447.7454**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0480	1.7356	0.7276	8.2700e-003	0.3051	9.5900e-003	0.3147	0.0887	9.1700e-003	0.0979		915.9989	915.9989	0.0630	0.1341	957.5225
Worker	1.9441	1.0448	20.8767	0.0737	9.3758	0.0393	9.4151	2.5022	0.0362	2.5384		7,444.4550	7,444.4550	0.1217	0.1434	7,490.2228
Total	**1.9921**	**2.7804**	**21.6043**	**0.0819**	**9.6809**	**0.0489**	**9.7298**	**2.5909**	**0.0453**	**2.6363**		**8,360.4540**	**8,360.4540**	**0.1847**	**0.2774**	**8,447.7454**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Residential Building B Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.7005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	**36.0422**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**		**562.8961**	**562.8961**	**0.0307**		**563.6637**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3888	0.2090	4.1753	0.0147	2.0343	7.8600e-003	2.0422	0.5395	7.2300e-003	0.5468		1,488.8910	1,488.8910	0.0244	0.0287	1,498.0446
Total	**0.3888**	**0.2090**	**4.1753**	**0.0147**	**2.0343**	**7.8600e-003**	**2.0422**	**0.5395**	**7.2300e-003**	**0.5468**		**1,488.8910**	**1,488.8910**	**0.0244**	**0.0287**	**1,498.0446**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.7005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	**36.0422**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**	**0.0000**	**562.8961**	**562.8961**	**0.0307**		**563.6637**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3888	0.2090	4.1753	0.0147	1.8752	7.8600e-003	1.8830	0.5004	7.2300e-003	0.5077		1,488.8910	1,488.8910	0.0244	0.0287	1,498.0446
Total	**0.3888**	**0.2090**	**4.1753**	**0.0147**	**1.8752**	**7.8600e-003**	**1.8830**	**0.5004**	**7.2300e-003**	**0.5077**		**1,488.8910**	**1,488.8910**	**0.0244**	**0.0287**	**1,498.0446**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Brea Mall Mixed-Use Project (Option 2) Construction Run

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	398.50	1000sqft	5.47	398,500.00	0
Other Asphalt Surfaces	192.00	1000sqft	4.41	192,000.00	0
Other Non-Asphalt Surfaces	206.53	1000sqft	2.86	206,533.70	0
Parking Lot	129.81	1000sqft	2.98	129,809.00	0
Apartments Mid Rise	670.00	Dwelling Unit	0.00	750,300.00	1115
Regional Shopping Center	119.42	1000sqft	0.80	119,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - structures are comprised of multiple stories

Construction Phase - based on information provided by applicant. see project description for construction durations

Off-road Equipment - based on information provided by the applicant

Off-road Equipment - no additional equipment required for asphalt demolition debris haul

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - based on information provided by applicant

Off-road Equipment - no additional equipment required for building demolition haul

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - no additional equipment required for site preparation soil haul

Off-road Equipment - no additional equipment required for site preparation soil haul

Trips and VMT - assumes 4 vt/water truck/day. Assumes that 2 dump trucks will be used for asphalt demo haul. Building Construction and Arch Coat are calculated based on CalEEMod Appendix A rates.

Demolition -

Grading -

Architectural Coating - see assumptions file for calculations. Parking only accounts for parking area and driveways

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	59,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	59,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	179,123.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	179,123.00	0.00

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblArchitecturalCoating	ConstArea_Parking	55,611.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,611.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,611.00	43,219.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	211,815.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	294,638.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	635,445.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	883,913.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	59708	123708
tblAreaCoating	Area_Nonresidential_Interior	179123	371123
tblAreaCoating	Area_Parking	55611	55400
tblAreaCoating	Area_Residential_Exterior	506453	294638
tblAreaCoating	Area_Residential_Interior	1519358	883913
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	55.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	300.00	565.00
tblConstructionPhase	NumDays	300.00	695.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	98.00

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	10.00	33.00
tblFireplaces	NumberGas	569.50	331.50
tblFireplaces	NumberNoFireplace	67.00	39.00
tblFireplaces	NumberWood	33.50	19.50
tblGrading	MaterialExported	0.00	25,416.00
tblGrading	MaterialExported	0.00	12,904.00
tblLandUse	LandUseSquareFeet	206,530.00	206,533.70
tblLandUse	LandUseSquareFeet	129,810.00	129,809.00
tblLandUse	LandUseSquareFeet	670,000.00	750,300.00
tblLandUse	LandUseSquareFeet	119,420.00	119,415.00
tblLandUse	LotAcreage	9.15	5.47
tblLandUse	LotAcreage	4.74	2.86
tblLandUse	LotAcreage	17.63	0.00
tblLandUse	LotAcreage	2.74	0.80
tblLandUse	Population	1,916.00	1,115.00
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	158.00	131.00
tblOffRoadEquipment	HorsePower	130.00	188.00
tblOffRoadEquipment	HorsePower	80.00	86.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	101.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	187.00	238.00

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	HorsePower	367.00	365.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblSolidWaste	SolidWasteGenerationRate	308.20	179.40
tblTripsAndVMT	HaulingTripNumber	158.00	160.00
tblTripsAndVMT	HaulingTripNumber	112.00	163.00
tblTripsAndVMT	HaulingTripNumber	3,177.00	3,178.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	243.00	51.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	243.00	91.00
tblWater	IndoorWaterUseRate	43,653,197.17	25,410,069.99
tblWater	OutdoorWaterUseRate	27,520,493.87	16,019,391.95
tblWoodstoves	NumberCatalytic	33.50	19.50
tblWoodstoves	NumberNoncatalytic	33.50	19.50

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.2804	109.5393	67.3886	0.1941	11.9187	3.8738	15.7925	1.7867	3.5661	5.0625	0.0000	19,298.1933	19,298.1933	5.3669	0.6100	19,596.1826
2023	30.6955	110.8320	98.3497	0.3030	22.6720	3.8941	26.5661	4.3614	3.5884	7.9498	0.0000	30,357.7699	30,357.7699	6.0171	0.9788	30,799.8641
2024	8.2504	21.5916	39.3918	0.1300	10.8765	0.7111	11.5876	2.8976	0.6587	3.5563	0.0000	13,110.9979	13,110.9979	1.2998	0.4442	13,275.8515
2025	45.4806	13.2766	37.8846	0.1261	12.7878	0.4135	13.2013	3.4045	0.3931	3.7976	0.0000	12,768.9921	12,768.9921	0.6833	0.4622	12,923.7969
2026	3.0946	9.1019	27.9122	0.0954	10.4977	0.2911	10.7889	2.7914	0.2720	3.0634	0.0000	9,640.1619	9,640.1619	0.5593	0.3052	9,745.0868
2027	2.9796	8.9836	26.8651	0.0931	10.4977	0.2885	10.7862	2.7914	0.2696	3.0610	0.0000	9,408.9554	9,408.9554	0.5478	0.2953	9,510.6483
2028	39.3448	11.4037	33.5063	0.1111	12.5321	0.3965	12.9285	3.3309	0.3772	3.7081	0.0000	11,184.1002	11,184.1002	0.5940	0.3172	11,293.4739
Maximum	**45.4806**	**110.8320**	**98.3497**	**0.3030**	**22.6720**	**3.8941**	**26.5661**	**4.3614**	**3.5884**	**7.9498**	**0.0000**	**30,357.7699**	**30,357.7699**	**6.0171**	**0.9788**	**30,799.8641**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.2804	109.5393	67.3886	0.1941	5.7316	3.8738	9.6054	0.9222	3.5661	4.3809	0.0000	19,298.1933	19,298.1933	5.3669	0.6100	19,596.1826
2023	30.6955	110.8320	98.3497	0.3030	15.6517	3.8941	19.5457	3.4753	3.5884	7.0637	0.0000	30,357.7699	30,357.7699	6.0171	0.9788	30,799.8641
2024	8.2504	21.5916	39.3918	0.1300	10.0336	0.7111	10.7447	2.6908	0.6587	3.3495	0.0000	13,110.9979	13,110.9979	1.2998	0.4442	13,275.8515
2025	45.4806	13.2766	37.8846	0.1261	11.7954	0.4135	12.2089	3.1610	0.3931	3.5541	0.0000	12,768.9921	12,768.9921	0.6833	0.4622	12,923.7969
2026	3.0946	9.1019	27.9122	0.0954	9.6809	0.2911	9.9721	2.5909	0.2720	2.8629	0.0000	9,640.1619	9,640.1619	0.5593	0.3052	9,745.0868
2027	2.9796	8.9836	26.8651	0.0931	9.6809	0.2885	9.9694	2.5909	0.2696	2.8605	0.0000	9,408.9554	9,408.9554	0.5478	0.2953	9,510.6483
2028	39.3448	11.4037	33.5063	0.1111	11.5561	0.3965	11.9526	3.0914	0.3772	3.4685	0.0000	11,184.1002	11,184.1002	0.5940	0.3172	11,293.4739
Maximum	**45.4806**	**110.8320**	**98.3497**	**0.3030**	**15.6517**	**3.8941**	**19.5457**	**3.4753**	**3.5884**	**7.0637**	**0.0000**	**30,357.7699**	**30,357.7699**	**6.0171**	**0.9788**	**30,799.8641**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**19.23**	**0.00**	**17.37**	**13.30**	**0.00**	**8.80**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Demolition	Demolition	6/1/2022	9/30/2022	5	88	a
2	Asphalt Demolition	Demolition	7/1/2022	8/15/2022	5	32	c
3	Building Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	b
4	Asphalt Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	d
5	Site Preparation	Site Preparation	10/1/2022	2/15/2023	5	98	e
6	Site Preparation Soil Haul 2022	Site Preparation	10/1/2022	12/31/2022	5	65	f
7	Site Preparation Soil Haul 2023	Site Preparation	1/1/2023	2/15/2023	5	33	g
8	Retail and Residential Building A Building Construction	Building Construction	2/1/2023	9/30/2025	5	695	h
9	Retail Architectural Coating	Architectural Coating	10/15/2023	12/23/2023	5	50	i
10	Finishing and Landscaping	Trenching	4/1/2024	4/30/2024	5	22	l
11	Paving	Paving	4/1/2024	4/7/2024	5	5	k
12	Residential Building A Architectural Coating	Architectural Coating	7/1/2025	9/30/2025	5	66	j
13	Residential Building B Building Construction	Building Construction	2/1/2026	3/31/2028	5	565	m
14	Residential Building B Architectural Coating	Architectural Coating	1/15/2028	3/31/2028	5	55	n

Acres of Grading (Site Preparation Phase): 980

Acres of Grading (Grading Phase): 0

Acres of Paving: 15.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 179,123; Non-Residential Outdoor: 59,708; Striped Parking Area: 43,219

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Building Demolition	Excavators	2	8.00	131	0.38
Building Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Debris Haul	Excavators	0	8.00	158	0.38
Building Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38
Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Excavators	1	8.00	101	0.38
Site Preparation	Graders	4	8.00	238	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	8	8.00	365	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation Soil Haul 2022	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2022	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation Soil Haul 2023	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2023	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Retail and Residential Building A Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Retail and Residential Building A Building Construction	Cranes	1	8.00	300	0.29
Retail and Residential Building A Building Construction	Forklifts	0	8.00	89	0.20
Retail and Residential Building A Building Construction	Generator Sets	0	8.00	84	0.74
Retail and Residential Building A Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Retail and Residential Building A Building Construction	Welders	0	8.00	46	0.45
Retail Architectural Coating	Air Compressors	2	6.00	78	0.48
Residential Building A Architectural Coating	Air Compressors	2	6.00	78	0.48
Paving	Pavers	1	8.00	188	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	8.00	86	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Finishing and Landscaping	Graders	1	8.00	238	0.41
Residential Building B Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73
Residential Building B Building Construction	Cranes	1	8.00	300	0.29
Residential Building B Building Construction	Forklifts	0	8.00	89	0.20
Residential Building B Building Construction	Generator Sets	0	8.00	84	0.74
Residential Building B Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Residential Building B Building Construction	Welders	0	8.00	46	0.45
Residential Building B Architectural Coating	Air Compressors	2	6.00	78	0.48

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Demolition	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Debris Haul	0	0.00	0.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition Debris Haul	0	0.00	0.00	163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2022	0	0.00	0.00	3,178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2023	0	0.00	0.00	1,613.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail and Residential Building A Building	3	910.00	91.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building A Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing and Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building B Building Construction	3	910.00	51.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building B Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7282	11.3102	12.7732	0.0358		0.4637	0.4637		0.4451	0.4451		3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**1.7282**	**11.3102**	**12.7732**	**0.0358**		**0.4637**	**0.4637**		**0.4451**	**0.4451**		**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6800e-003	9.0400e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.0328	0.0222	0.3058	9.3000e-004	0.1118	6.0000e-004	0.1124	0.0296	5.5000e-004	0.0302		93.7501	93.7501	2.3700e-003	2.3600e-003	94.5111
Total	**0.0393**	**0.2087**	**0.3718**	**1.6900e-003**	**0.1374**	**2.3500e-003**	**0.1397**	**0.0370**	**2.2300e-003**	**0.0392**		**176.7192**	**176.7192**	**7.1100e-003**	**0.0143**	**181.1446**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7282	11.3102	12.7732	0.0358		0.4637	0.4637		0.4451	0.4451	0.0000	3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**1.7282**	**11.3102**	**12.7732**	**0.0358**		**0.4637**	**0.4637**		**0.4451**	**0.4451**	**0.0000**	**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6800e-003	8.6300e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.0328	0.0222	0.3058	9.3000e-004	0.1030	6.0000e-004	0.1036	0.0275	5.5000e-004	0.0281		93.7501	93.7501	2.3700e-003	2.3600e-003	94.5111
Total	**0.0393**	**0.2087**	**0.3718**	**1.6900e-003**	**0.1270**	**2.3500e-003**	**0.1293**	**0.0345**	**2.2300e-003**	**0.0367**		**176.7192**	**176.7192**	**7.1100e-003**	**0.0143**	**181.1446**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Asphalt Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Total	**0.1647**	**1.6756**	**2.2379**	**3.1100e-003**		**0.0901**	**0.0901**		**0.0829**	**0.0829**		**301.2390**	**301.2390**	**0.0974**		**303.6746**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6800e-003	9.0400e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	9.8300e-003	6.6600e-003	0.0917	2.8000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.7000e-004	9.0600e-003		28.1250	28.1250	7.1000e-004	7.1000e-004	28.3533
Total	**0.0164**	**0.1932**	**0.1578**	**1.0400e-003**	**0.0591**	**1.9300e-003**	**0.0610**	**0.0163**	**1.8500e-003**	**0.0181**		**111.0941**	**111.0941**	**5.4500e-003**	**0.0126**	**114.9868**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
Total	**0.1647**	**1.6756**	**2.2379**	**3.1100e-003**		**0.0901**	**0.0901**		**0.0829**	**0.0829**	**0.0000**	**301.2390**	**301.2390**	**0.0974**		**303.6746**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6800e-003	8.6300e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	9.8300e-003	6.6600e-003	0.0917	2.8000e-004	0.0309	1.8000e-004	0.0311	8.2500e-003	1.7000e-004	8.4200e-003		28.1250	28.1250	7.1000e-004	7.1000e-004	28.3533
Total	**0.0164**	**0.1932**	**0.1578**	**1.0400e-003**	**0.0549**	**1.9300e-003**	**0.0568**	**0.0152**	**1.8500e-003**	**0.0171**		**111.0941**	**111.0941**	**5.4500e-003**	**0.0126**	**114.9868**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7064	0.0000	5.7064	0.8640	0.0000	0.8640			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.7064**	**0.0000**	**5.7064**	**0.8640**	**0.0000**	**0.8640**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1054	4.3149	1.1833	0.0159	0.4651	0.0315	0.4966	0.1274	0.0301	0.1575		1,803.3521	1,803.3521	0.1717	0.2888	1,893.7185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1054**	**4.3149**	**1.1833**	**0.0159**	**0.4651**	**0.0315**	**0.4966**	**0.1274**	**0.0301**	**0.1575**		**1,803.3521**	**1,803.3521**	**0.1717**	**0.2888**	**1,893.7185**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4395	0.0000	2.4395	0.3694	0.0000	0.3694			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.4395**	**0.0000**	**2.4395**	**0.3694**	**0.0000**	**0.3694**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1054	4.3149	1.1833	0.0159	0.4334	0.0315	0.4648	0.1196	0.0301	0.1497		1,803.3521	1,803.3521	0.1717	0.2888	1,893.7185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1054**	**4.3149**	**1.1833**	**0.0159**	**0.4334**	**0.0315**	**0.4648**	**0.1196**	**0.0301**	**0.1497**		**1,803.3521**	**1,803.3521**	**0.1717**	**0.2888**	**1,893.7185**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Asphalt Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0444	0.0000	4.0444	0.6124	0.0000	0.6124			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.0444**	**0.0000**	**4.0444**	**0.6124**	**0.0000**	**0.6124**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1074	4.3958	1.2055	0.0162	0.4738	0.0321	0.5059	0.1298	0.0307	0.1604		1,837.1650	1,837.1650	0.1749	0.2943	1,929.2257
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1074**	**4.3958**	**1.2055**	**0.0162**	**0.4738**	**0.0321**	**0.5059**	**0.1298**	**0.0307**	**0.1604**		**1,837.1650**	**1,837.1650**	**0.1749**	**0.2943**	**1,929.2257**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7290	0.0000	1.7290	0.2618	0.0000	0.2618			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.7290**	**0.0000**	**1.7290**	**0.2618**	**0.0000**	**0.2618**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1074	4.3958	1.2055	0.0162	0.4415	0.0321	0.4736	0.1218	0.0307	0.1525		1,837.1650	1,837.1650	0.1749	0.2943	1,929.2257
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1074**	**4.3958**	**1.2055**	**0.0162**	**0.4415**	**0.0321**	**0.4736**	**0.1218**	**0.0307**	**0.1525**		**1,837.1650**	**1,837.1650**	**0.1749**	**0.2943**	**1,929.2257**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.9659	101.3640	64.0828	0.1609		3.8122	3.8122		3.5072	3.5072		15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**8.9659**	**101.3640**	**64.0828**	**0.1609**	**10.6050**	**3.8122**	**14.4172**	**1.1451**	**3.5072**	**4.6523**		**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6800e-003	9.0400e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.1147	0.0777	1.0704	3.2500e-003	0.3912	2.1100e-003	0.3933	0.1038	1.9400e-003	0.1057		328.1253	328.1253	8.2900e-003	8.2400e-003	330.7889
Total	**0.1212**	**0.2642**	**1.1364**	**4.0100e-003**	**0.4168**	**3.8600e-003**	**0.4207**	**0.1111**	**3.6200e-003**	**0.1147**		**411.0944**	**411.0944**	**0.0130**	**0.0201**	**417.4223**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	8.9659	101.3640	64.0828	0.1609		3.8122	3.8122		3.5072	3.5072	0.0000	15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**8.9659**	**101.3640**	**64.0828**	**0.1609**	**4.5336**	**3.8122**	**8.3459**	**0.4895**	**3.5072**	**3.9968**	**0.0000**	**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6800e-003	8.6300e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.1147	0.0777	1.0704	3.2500e-003	0.3606	2.1100e-003	0.3627	0.0962	1.9400e-003	0.0982		328.1253	328.1253	8.2900e-003	8.2400e-003	330.7889
Total	**0.1212**	**0.2642**	**1.1364**	**4.0100e-003**	**0.3846**	**3.8600e-003**	**0.3884**	**0.1032**	**3.6200e-003**	**0.1068**		**411.0944**	**411.0944**	**0.0130**	**0.0201**	**417.4223**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.5191	92.7414	62.0147	0.1609		3.5061	3.5061		3.2256	3.2256		15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**8.5191**	**92.7414**	**62.0147**	**0.1609**	**10.6050**	**3.5061**	**14.1111**	**1.1451**	**3.2256**	**4.3707**		**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9000e-003	0.1464	0.0600	7.2000e-004	0.0256	7.2000e-004	0.0263	7.3600e-003	6.9000e-004	8.0500e-003		79.0959	79.0959	4.6800e-003	0.0114	82.5978
Worker	0.1077	0.0692	0.9957	3.1400e-003	0.3912	1.9900e-003	0.3932	0.1038	1.8400e-003	0.1056		317.7237	317.7237	7.5100e-003	7.6700e-003	320.1969
Total	**0.1116**	**0.2157**	**1.0557**	**3.8600e-003**	**0.4168**	**2.7100e-003**	**0.4195**	**0.1111**	**2.5300e-003**	**0.1136**		**396.8196**	**396.8196**	**0.0122**	**0.0190**	**402.7947**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	8.5191	92.7414	62.0147	0.1609		3.5061	3.5061		3.2256	3.2256	0.0000	15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**8.5191**	**92.7414**	**62.0147**	**0.1609**	**4.5336**	**3.5061**	**8.0398**	**0.4895**	**3.2256**	**3.7152**	**0.0000**	**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9000e-003	0.1464	0.0600	7.2000e-004	0.0239	7.2000e-004	0.0247	6.9600e-003	6.9000e-004	7.6500e-003		79.0959	79.0959	4.6800e-003	0.0114	82.5978
Worker	0.1077	0.0692	0.9957	3.1400e-003	0.3606	1.9900e-003	0.3626	0.0962	1.8400e-003	0.0981		317.7237	317.7237	7.5100e-003	7.6700e-003	320.1969
Total	**0.1116**	**0.2157**	**1.0557**	**3.8600e-003**	**0.3845**	**2.7100e-003**	**0.3873**	**0.1032**	**2.5300e-003**	**0.1057**		**396.8196**	**396.8196**	**0.0122**	**0.0190**	**402.7947**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation Soil Haul 2022 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1932	7.9111	2.1695	0.0292	0.8527	0.0577	0.9104	0.2335	0.0552	0.2887		3,306.3768	3,306.3768	0.3148	0.5296	3,472.0601
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1932**	**7.9111**	**2.1695**	**0.0292**	**0.8527**	**0.0577**	**0.9104**	**0.2335**	**0.0552**	**0.2887**		**3,306.3768**	**3,306.3768**	**0.3148**	**0.5296**	**3,472.0601**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1932	7.9111	2.1695	0.0292	0.7945	0.0577	0.8523	0.2192	0.0552	0.2745		3,306.3768	3,306.3768	0.3148	0.5296	3,472.0601
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1932**	**7.9111**	**2.1695**	**0.0292**	**0.7945**	**0.0577**	**0.8523**	**0.2192**	**0.0552**	**0.2745**		**3,306.3768**	**3,306.3768**	**0.3148**	**0.5296**	**3,472.0601**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Site Preparation Soil Haul 2023 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0959	6.0728	2.0187	0.0275	0.8524	0.0376	0.8900	0.2334	0.0360	0.2694		3,128.8713	3,128.8713	0.3150	0.5019	3,286.3195
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0959**	**6.0728**	**2.0187**	**0.0275**	**0.8524**	**0.0376**	**0.8900**	**0.2334**	**0.0360**	**0.2694**		**3,128.8713**	**3,128.8713**	**0.3150**	**0.5019**	**3,286.3195**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0959	6.0728	2.0187	0.0275	0.7943	0.0376	0.8319	0.2192	0.0360	0.2551		3,128.8713	3,128.8713	0.3150	0.5019	3,286.3195
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0959**	**6.0728**	**2.0187**	**0.0275**	**0.7943**	**0.0376**	**0.8319**	**0.2192**	**0.0360**	**0.2551**		**3,128.8713**	**3,128.8713**	**0.3150**	**0.5019**	**3,286.3195**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7168	6.6706	6.0084	0.0127		0.2793	0.2793		0.2608	0.2608		1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.7168**	**6.6706**	**6.0084**	**0.0127**		**0.2793**	**0.2793**		**0.2608**	**0.2608**		**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0887	3.3314	1.3645	0.0164	0.5819	0.0165	0.5983	0.1675	0.0158	0.1832		1,799.4321	1,799.4321	0.1066	0.2584	1,879.0996
Worker	2.8005	1.8000	25.8877	0.0817	10.1717	0.0519	10.2235	2.6976	0.0477	2.7453		8,260.8153	8,260.8153	0.1953	0.1994	8,325.1191
Total	**2.8892**	**5.1314**	**27.2522**	**0.0981**	**10.7535**	**0.0683**	**10.8219**	**2.8650**	**0.0635**	**2.9285**		**10,060.2474**	**10,060.2474**	**0.3018**	**0.4578**	**10,204.2187**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7168	6.6706	6.0084	0.0127		0.2793	0.2793		0.2608	0.2608	0.0000	1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.7168**	**6.6706**	**6.0084**	**0.0127**		**0.2793**	**0.2793**		**0.2608**	**0.2608**	**0.0000**	**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0887	3.3314	1.3645	0.0164	0.5445	0.0165	0.5610	0.1583	0.0158	0.1741		1,799.4321	1,799.4321	0.1066	0.2584	1,879.0996
Worker	2.8005	1.8000	25.8877	0.0817	9.3758	0.0519	9.4276	2.5022	0.0477	2.5500		8,260.8153	8,260.8153	0.1953	0.1994	8,325.1191
Total	**2.8892**	**5.1314**	**27.2522**	**0.0981**	**9.9203**	**0.0683**	**9.9886**	**2.6605**	**0.0635**	**2.7240**		**10,060.2474**	**10,060.2474**	**0.3018**	**0.4578**	**10,204.2187**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7005	6.3874	5.8937	0.0127		0.2619	0.2619		0.2448	0.2448		1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.7005**	**6.3874**	**5.8937**	**0.0127**		**0.2619**	**0.2619**		**0.2448**	**0.2448**		**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0873	3.3219	1.3538	0.0161	0.5819	0.0172	0.5991	0.1675	0.0165	0.1839		1,771.5818	1,771.5818	0.1077	0.2555	1,850.4027
Worker	2.6405	1.6161	24.1155	0.0791	10.1717	0.0493	10.2209	2.6976	0.0453	2.7429		7,999.1213	7,999.1213	0.1773	0.1864	8,059.1118
Total	**2.7278**	**4.9380**	**25.4692**	**0.0952**	**10.7535**	**0.0665**	**10.8200**	**2.8650**	**0.0618**	**2.9268**		**9,770.7032**	**9,770.7032**	**0.2850**	**0.4419**	**9,909.5145**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7005	6.3874	5.8937	0.0127		0.2619	0.2619		0.2448	0.2448	0.0000	1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.7005**	**6.3874**	**5.8937**	**0.0127**		**0.2619**	**0.2619**		**0.2448**	**0.2448**	**0.0000**	**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0873	3.3219	1.3538	0.0161	0.5445	0.0172	0.5617	0.1583	0.0165	0.1748		1,771.5818	1,771.5818	0.1077	0.2555	1,850.4027
Worker	2.6405	1.6161	24.1155	0.0791	9.3758	0.0493	9.4250	2.5022	0.0453	2.5476		7,999.1213	7,999.1213	0.1773	0.1864	8,059.1118
Total	**2.7278**	**4.9380**	**25.4692**	**0.0952**	**9.9203**	**0.0665**	**9.9868**	**2.6605**	**0.0618**	**2.7223**		**9,770.7032**	**9,770.7032**	**0.2850**	**0.4419**	**9,909.5145**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0860	3.3059	1.3476	0.0158	0.5819	0.0173	0.5992	0.1675	0.0166	0.1840		1,738.4725	1,738.4725	0.1090	0.2517	1,816.2176
Worker	2.4997	1.4636	22.6524	0.0765	10.1717	0.0471	10.2187	2.6976	0.0433	2.7409		7,727.5715	7,727.5715	0.1613	0.1754	7,783.8570
Total	**2.5857**	**4.7694**	**24.0000**	**0.0922**	**10.7535**	**0.0644**	**10.8179**	**2.8650**	**0.0599**	**2.9249**		**9,466.0440**	**9,466.0440**	**0.2703**	**0.4271**	**9,600.0747**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0860	3.3059	1.3476	0.0158	0.5445	0.0173	0.5618	0.1583	0.0166	0.1749		1,738.4725	1,738.4725	0.1090	0.2517	1,816.2176
Worker	2.4997	1.4636	22.6524	0.0765	9.3758	0.0471	9.4229	2.5022	0.0433	2.5455		7,727.5715	7,727.5715	0.1613	0.1754	7,783.8570
Total	**2.5857**	**4.7694**	**24.0000**	**0.0922**	**9.9203**	**0.0644**	**9.9847**	**2.6605**	**0.0599**	**2.7204**		**9,466.0440**	**9,466.0440**	**0.2703**	**0.4271**	**9,600.0747**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Retail Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.1460					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**26.5294**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5601	0.3600	5.1776	0.0164	2.0343	0.0104	2.0447	0.5395	9.5500e-003	0.5491		1,652.1631	1,652.1631	0.0391	0.0399	1,665.0238
Total	**0.5601**	**0.3600**	**5.1776**	**0.0164**	**2.0343**	**0.0104**	**2.0447**	**0.5395**	**9.5500e-003**	**0.5491**		**1,652.1631**	**1,652.1631**	**0.0391**	**0.0399**	**1,665.0238**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.1460					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**26.5294**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5601	0.3600	5.1776	0.0164	1.8752	0.0104	1.8855	0.5004	9.5500e-003	0.5100		1,652.1631	1,652.1631	0.0391	0.0399	1,665.0238
Total	**0.5601**	**0.3600**	**5.1776**	**0.0164**	**1.8752**	**0.0104**	**1.8855**	**0.5004**	**9.5500e-003**	**0.5100**		**1,652.1631**	**1,652.1631**	**0.0391**	**0.0399**	**1,665.0238**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Finishing and Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4513	5.2891	2.1082	8.4200e-003		0.1715	0.1715		0.1578	0.1578		815.1913	815.1913	0.2637		821.7826
Total	**0.4513**	**5.2891**	**2.1082**	**8.4200e-003**		**0.1715**	**0.1715**		**0.1578**	**0.1578**		**815.1913**	**815.1913**	**0.2637**		**821.7826**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7000e-003	5.3300e-003	0.0795	2.6000e-004	0.0335	1.6000e-004	0.0337	8.8900e-003	1.5000e-004	9.0400e-003		26.3707	26.3707	5.8000e-004	6.1000e-004	26.5685
Total	**8.7000e-003**	**5.3300e-003**	**0.0795**	**2.6000e-004**	**0.0335**	**1.6000e-004**	**0.0337**	**8.8900e-003**	**1.5000e-004**	**9.0400e-003**		**26.3707**	**26.3707**	**5.8000e-004**	**6.1000e-004**	**26.5685**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4513	5.2891	2.1082	8.4200e-003		0.1715	0.1715		0.1578	0.1578	0.0000	815.1913	815.1913	0.2637		821.7826
Total	**0.4513**	**5.2891**	**2.1082**	**8.4200e-003**		**0.1715**	**0.1715**		**0.1578**	**0.1578**	**0.0000**	**815.1913**	**815.1913**	**0.2637**		**821.7826**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7000e-003	5.3300e-003	0.0795	2.6000e-004	0.0309	1.6000e-004	0.0311	8.2500e-003	1.5000e-004	8.4000e-003		26.3707	26.3707	5.8000e-004	6.1000e-004	26.5685
Total	**8.7000e-003**	**5.3300e-003**	**0.0795**	**2.6000e-004**	**0.0309**	**1.6000e-004**	**0.0311**	**8.2500e-003**	**1.5000e-004**	**8.4000e-003**		**26.3707**	**26.3707**	**5.8000e-004**	**6.1000e-004**	**26.5685**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4666	4.9575	5.6292	0.0128		0.2106	0.2106		0.1938	0.1938		1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.3390**	**4.9575**	**5.6292**	**0.0128**		**0.2106**	**0.2106**		**0.1938**	**0.1938**		**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0232	0.0142	0.2120	7.0000e-004	0.0894	4.3000e-004	0.0899	0.0237	4.0000e-004	0.0241		70.3220	70.3220	1.5600e-003	1.6400e-003	70.8493
Total	**0.0232**	**0.0142**	**0.2120**	**7.0000e-004**	**0.0894**	**4.3000e-004**	**0.0899**	**0.0237**	**4.0000e-004**	**0.0241**		**70.3220**	**70.3220**	**1.5600e-003**	**1.6400e-003**	**70.8493**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4666	4.9575	5.6292	0.0128		0.2106	0.2106		0.1938	0.1938	0.0000	1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.3390**	**4.9575**	**5.6292**	**0.0128**		**0.2106**	**0.2106**		**0.1938**	**0.1938**	**0.0000**	**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0232	0.0142	0.2120	7.0000e-004	0.0824	4.3000e-004	0.0829	0.0220	4.0000e-004	0.0224		70.3220	70.3220	1.5600e-003	1.6400e-003	70.8493
Total	**0.0232**	**0.0142**	**0.2120**	**7.0000e-004**	**0.0824**	**4.3000e-004**	**0.0829**	**0.0220**	**4.0000e-004**	**0.0224**		**70.3220**	**70.3220**	**1.5600e-003**	**1.6400e-003**	**70.8493**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Residential Building A Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	**41.7249**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**		**562.8961**	**562.8961**	**0.0307**		**563.6637**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4999	0.2927	4.5305	0.0153	2.0343	9.4100e-003	2.0437	0.5395	8.6600e-003	0.5482		1,545.5143	1,545.5143	0.0323	0.0351	1,556.7714
Total	**0.4999**	**0.2927**	**4.5305**	**0.0153**	**2.0343**	**9.4100e-003**	**2.0437**	**0.5395**	**8.6600e-003**	**0.5482**		**1,545.5143**	**1,545.5143**	**0.0323**	**0.0351**	**1,556.7714**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	**41.7249**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**	**0.0000**	**562.8961**	**562.8961**	**0.0307**		**563.6637**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4999	0.2927	4.5305	0.0153	1.8752	9.4100e-003	1.8846	0.5004	8.6600e-003	0.5091		1,545.5143	1,545.5143	0.0323	0.0351	1,556.7714
Total	**0.4999**	**0.2927**	**4.5305**	**0.0153**	**1.8752**	**9.4100e-003**	**1.8846**	**0.5004**	**8.6600e-003**	**0.5091**		**1,545.5143**	**1,545.5143**	**0.0323**	**0.0351**	**1,556.7714**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Residential Building B Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0475	1.8397	0.7524	8.6600e-003	0.3261	9.7000e-003	0.3358	0.0939	9.2700e-003	0.1031		955.6665	955.6665	0.0618	0.1389	998.6110
Worker	2.3771	1.3388	21.4239	0.0741	10.1717	0.0448	10.2164	2.6976	0.0412	2.7388		7,489.9575	7,489.9575	0.1475	0.1663	7,543.1888
Total	**2.4245**	**3.1785**	**22.1763**	**0.0828**	**10.4977**	**0.0545**	**10.5522**	**2.7914**	**0.0505**	**2.8419**		**8,445.6241**	**8,445.6241**	**0.2093**	**0.3052**	**8,541.7997**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0475	1.8397	0.7524	8.6600e-003	0.3052	9.7000e-003	0.3148	0.0887	9.2700e-003	0.0980		955.6665	955.6665	0.0618	0.1389	998.6110
Worker	2.3771	1.3388	21.4239	0.0741	9.3758	0.0448	9.4206	2.5022	0.0412	2.5434		7,489.9575	7,489.9575	0.1475	0.1663	7,543.1888
Total	**2.4245**	**3.1785**	**22.1763**	**0.0828**	**9.6809**	**0.0545**	**9.7354**	**2.5909**	**0.0505**	**2.6414**		**8,445.6241**	**8,445.6241**	**0.2093**	**0.3052**	**8,541.7997**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Residential Building B Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0468	1.8261	0.7498	8.4700e-003	0.3261	9.6700e-003	0.3358	0.0939	9.2500e-003	0.1031		936.1368	936.1368	0.0622	0.1366	978.4023
Worker	2.2628	1.2341	20.3794	0.0720	10.1717	0.0421	10.2138	2.6976	0.0388	2.7363		7,278.2809	7,278.2809	0.1357	0.1587	7,328.9588
Total	**2.3095**	**3.0602**	**21.1292**	**0.0805**	**10.4977**	**0.0518**	**10.5495**	**2.7914**	**0.0480**	**2.8394**		**8,214.4177**	**8,214.4177**	**0.1979**	**0.2953**	**8,307.3611**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0468	1.8261	0.7498	8.4700e-003	0.3051	9.6700e-003	0.3148	0.0887	9.2500e-003	0.0980		936.1368	936.1368	0.0622	0.1366	978.4023
Worker	2.2628	1.2341	20.3794	0.0720	9.3758	0.0421	9.4179	2.5022	0.0388	2.5410		7,278.2809	7,278.2809	0.1357	0.1587	7,328.9588
Total	**2.3095**	**3.0602**	**21.1292**	**0.0805**	**9.6809**	**0.0518**	**9.7327**	**2.5909**	**0.0480**	**2.6390**		**8,214.4177**	**8,214.4177**	**0.1979**	**0.2953**	**8,307.3611**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Residential Building B Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0462	1.8140	0.7489	8.2800e-003	0.3261	9.6300e-003	0.3357	0.0938	9.2100e-003	0.1031		917.4859	917.4859	0.0628	0.1344	959.0942
Worker	2.1553	1.1461	19.5027	0.0702	10.1717	0.0393	10.2110	2.6976	0.0362	2.7337		7,090.9837	7,090.9837	0.1254	0.1524	7,139.5241
Total	**2.2015**	**2.9601**	**20.2516**	**0.0784**	**10.4977**	**0.0489**	**10.5467**	**2.7914**	**0.0454**	**2.8368**		**8,008.4696**	**8,008.4696**	**0.1883**	**0.2867**	**8,098.6182**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0462	1.8140	0.7489	8.2800e-003	0.3051	9.6300e-003	0.3148	0.0887	9.2100e-003	0.0979		917.4859	917.4859	0.0628	0.1344	959.0942
Worker	2.1553	1.1461	19.5027	0.0702	9.3758	0.0393	9.4151	2.5022	0.0362	2.5384		7,090.9837	7,090.9837	0.1254	0.1524	7,139.5241
Total	**2.2015**	**2.9601**	**20.2516**	**0.0784**	**9.6809**	**0.0489**	**9.7299**	**2.5909**	**0.0454**	**2.6363**		**8,008.4696**	**8,008.4696**	**0.1883**	**0.2867**	**8,098.6182**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Residential Building B Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.7005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	**36.0422**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**		**562.8961**	**562.8961**	**0.0307**		**563.6637**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4311	0.2292	3.9006	0.0140	2.0343	7.8600e-003	2.0422	0.5395	7.2300e-003	0.5468		1,418.1967	1,418.1967	0.0251	0.0305	1,427.9048
Total	**0.4311**	**0.2292**	**3.9006**	**0.0140**	**2.0343**	**7.8600e-003**	**2.0422**	**0.5395**	**7.2300e-003**	**0.5468**		**1,418.1967**	**1,418.1967**	**0.0251**	**0.0305**	**1,427.9048**

Brea Mall Mixed-Use Project (Option 2) Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.7005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	**36.0422**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**	**0.0000**	**562.8961**	**562.8961**	**0.0307**		**563.6637**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4311	0.2292	3.9006	0.0140	1.8752	7.8600e-003	1.8830	0.5004	7.2300e-003	0.5077		1,418.1967	1,418.1967	0.0251	0.0305	1,427.9048
Total	**0.4311**	**0.2292**	**3.9006**	**0.0140**	**1.8752**	**7.8600e-003**	**1.8830**	**0.5004**	**7.2300e-003**	**0.5077**		**1,418.1967**	**1,418.1967**	**0.0251**	**0.0305**	**1,427.9048**

CalEEMod Mitigated Construction Model

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	476.80	1000sqft	5.47	476,800.00	0
Other Asphalt Surfaces	192.00	1000sqft	4.41	192,000.00	0
Other Non-Asphalt Surfaces	124.72	1000sqft	2.86	124,717.00	0
Parking Lot	129.81	1000sqft	2.98	129,809.00	0
Health Club	128.00	1000sqft	0.98	128,000.00	0
Apartments Mid Rise	390.00	Dwelling Unit	0.00	436,500.00	1115
Regional Shopping Center	119.42	1000sqft	0.80	119,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - structures are comprised of multiple stories

Construction Phase - based on information provided by applicant. see project description for construction durations

Off-road Equipment - based on information provided by the applicant

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - no additional equipment required for asphalt demolition debris haul

Off-road Equipment - based on information provided by applicant

Off-road Equipment - no additional equipment required for building demolition haul

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - no additional equipment required for site preparation soil haul

Off-road Equipment - no additional equipment required for site preparation soil haul

Trips and VMT - assumes 4 vt/water truck/day. Assumes that 2 dump trucks will be used for asphalt demo haul. Building Construction and Arch Coat are calculated based on CalEEMod Appendix A rates

Demolition -

Grading -

Architectural Coating - see assumptions file for calculations. Parking only accounts for parking area and driveways

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186, MM: Tier 4 (Final) Equipment hp>50

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	123,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	371,123.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,400.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,400.00	47,917.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	294,638.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	883,913.00	0.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	300.00	695.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	98.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	10.00	33.00

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblGrading	MaterialExported	0.00	25,416.00
tblGrading	MaterialExported	0.00	12,904.00
tblLandUse	LandUseSquareFeet	124,720.00	124,717.00
tblLandUse	LandUseSquareFeet	129,810.00	129,809.00
tblLandUse	LandUseSquareFeet	390,000.00	436,500.00
tblLandUse	LandUseSquareFeet	119,420.00	119,415.00
tblLandUse	LotAcreage	10.95	5.47
tblLandUse	LotAcreage	2.94	0.98
tblLandUse	LotAcreage	10.26	0.00
tblLandUse	LotAcreage	2.74	0.80
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	158.00	131.00
tblOffRoadEquipment	HorsePower	130.00	188.00
tblOffRoadEquipment	HorsePower	80.00	86.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	101.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	367.00	365.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblTripsAndVMT	HaulingTripNumber	158.00	160.00
tblTripsAndVMT	HaulingTripNumber	112.00	163.00
tblTripsAndVMT	HaulingTripNumber	3,177.00	3,178.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	234.00	112.00
tblTripsAndVMT	WorkerTripNumber	152.00	21.00
tblTripsAndVMT	WorkerTripNumber	761.00	287.00
tblTripsAndVMT	WorkerTripNumber	152.00	21.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.3826	4.1265	2.8144	8.1200e-003	0.6006	0.1481	0.7486	0.0744	0.1371	0.2115	0.0000	746.4398	746.4398	0.1800	0.0186	756.4668
2023	1.6077	3.0532	3.0851	0.0104	1.0056	0.0997	1.1053	0.1871	0.0926	0.2797	0.0000	956.0420	956.0420	0.1398	0.0491	974.1653
2024	0.2219	1.5126	2.0441	7.7000e-003	0.5058	0.0415	0.5473	0.1364	0.0388	0.1752	0.0000	716.0699	716.0699	0.0675	0.0444	730.9980
2025	1.5247	1.0979	1.5675	5.7600e-003	0.3836	0.0300	0.4136	0.1034	0.0284	0.1318	0.0000	535.4819	535.4819	0.0484	0.0325	546.3648
Maximum	**1.6077**	**4.1265**	**3.0851**	**0.0104**	**1.0056**	**0.1481**	**1.1053**	**0.1871**	**0.1371**	**0.2797**	**0.0000**	**956.0420**	**956.0420**	**0.1800**	**0.0491**	**974.1653**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0963	0.6709	3.4435	8.1200e-003	0.2819	0.0135	0.2954	0.0388	0.0134	0.0521	0.0000	746.4391	746.4391	0.1800	0.0186	756.4661
2023	1.4460	1.0313	3.3380	0.0104	0.6712	0.0173	0.6885	0.1460	0.0170	0.1630	0.0000	956.0415	956.0415	0.1398	0.0491	974.1649
2024	0.1692	0.8537	2.1351	7.7000e-003	0.4676	0.0135	0.4811	0.1271	0.0132	0.1403	0.0000	716.0698	716.0698	0.0675	0.0444	730.9978
2025	1.4826	0.6333	1.6348	5.7600e-003	0.3546	0.0102	0.3648	0.0963	9.9500e-003	0.1063	0.0000	535.4817	535.4817	0.0484	0.0325	546.3646
Maximum	**1.4826**	**1.0313**	**3.4435**	**0.0104**	**0.6712**	**0.0173**	**0.6885**	**0.1460**	**0.0170**	**0.1630**	**0.0000**	**956.0415**	**956.0415**	**0.1800**	**0.0491**	**974.1649**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**14.53**	**67.42**	**-10.94**	**0.00**	**28.86**	**82.93**	**34.99**	**18.60**	**81.94**	**42.16**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2022	8-31-2022	0.7055	0.3260
2	9-1-2022	11-30-2022	2.9530	0.6638
3	12-1-2022	2-28-2023	3.4073	0.7598
4	3-1-2023	5-31-2023	0.4222	0.2511
5	6-1-2023	8-31-2023	0.4190	0.2478
6	9-1-2023	11-30-2023	1.3174	1.1032
7	12-1-2023	2-29-2024	0.8537	0.6689
8	3-1-2024	5-31-2024	0.4935	0.2652
9	6-1-2024	8-31-2024	0.4053	0.2441
10	9-1-2024	11-30-2024	0.4073	0.2477
11	12-1-2024	2-28-2025	0.3930	0.2457

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

12	**3-1-2025**	**5-31-2025**	0.3887	0.2437
13	**6-1-2025**	**8-31-2025**	1.3621	1.1657
14	**9-1-2025**	**9-30-2025**	0.5982	0.5261
		Highest	3.4073	1.1657

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Demolition	Demolition	6/1/2022	9/30/2022	5	88	
2	Asphalt Demolition	Demolition	7/1/2022	8/15/2022	5	32	
3	Building Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	
4	Asphalt Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	
5	Site Preparation	Site Preparation	10/1/2022	2/15/2023	5	98	
6	Site Preparation Soil Haul 2022	Site Preparation	10/1/2022	12/31/2022	5	65	
7	Site Preparation Soil Haul 2023	Site Preparation	1/1/2023	2/15/2023	5	33	
8	Retail and Residential Building A Building Construction	Building Construction	2/1/2023	9/30/2025	5	695	
9	Retail Architectural Coating	Architectural Coating	10/15/2023	12/23/2023	5	50	
10	Finishing and Landscaping	Trenching	4/1/2024	4/30/2024	5	22	
11	Paving	Paving	4/1/2024	4/7/2024	5	5	
12	Residential Architectural Coating	Architectural Coating	7/1/2025	9/30/2025	5	66	

Acres of Grading (Site Preparation Phase): 980

Acres of Grading (Grading Phase): 0

Acres of Paving: 15.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 371,123; Non-Residential Outdoor: 123,708; Striped Parking Area: 47,917

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Building Demolition	Excavators	2	8.00	131	0.38
Building Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Debris Haul	Excavators	0	8.00	158	0.38
Building Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38
Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Excavators	1	8.00	101	0.38
Site Preparation	Graders	4	8.00	238	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	8	8.00	365	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation Soil Haul 2022	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2022	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation Soil Haul 2023	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2023	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Retail and Residential Building A Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Retail and Residential Building A Building Construction	Cranes	1	8.00	300	0.29
Retail and Residential Building A Building Construction	Forklifts	0	8.00	89	0.20
Retail and Residential Building A Building Construction	Generator Sets	0	8.00	84	0.74
Retail and Residential Building A Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Retail and Residential Building A Building Construction	Welders	0	8.00	46	0.45
Retail Architectural Coating	Air Compressors	2	6.00	78	0.48
Finishing and Landscaping	Graders	1	8.00	238	0.41
Paving	Pavers	1	8.00	188	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	8.00	86	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Residential Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Demolition	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Debris Haul	0	0.00	0.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition Debris Haul	0	0.00	0.00	163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2022	0	0.00	0.00	3,178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2023	0	0.00	0.00	1,613.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail and Residential Building A Building	3	287.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail Architectural Coating	2	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing and Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Architectural Coating	2	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0760	0.4977	0.5620	1.5700e-003		0.0204	0.0204		0.0196	0.0196	0.0000	154.3428	154.3428	0.0190	0.0000	154.8182
Total	**0.0760**	**0.4977**	**0.5620**	**1.5700e-003**		**0.0204**	**0.0204**		**0.0196**	**0.0196**	**0.0000**	**154.3428**	**154.3428**	**0.0190**	**0.0000**	**154.8182**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	8.2700e-003	2.8500e-003	3.0000e-005	1.1100e-003	8.0000e-005	1.1900e-003	3.2000e-004	7.0000e-005	3.9000e-004	0.0000	3.3112	3.3112	1.9000e-004	4.7000e-004	3.4575
Worker	1.3300e-003	1.0000e-003	0.0138	4.0000e-005	4.8300e-003	3.0000e-005	4.8600e-003	1.2800e-003	2.0000e-005	1.3100e-003	0.0000	3.7930	3.7930	9.0000e-005	1.0000e-004	3.8238
Total	**1.6200e-003**	**9.2700e-003**	**0.0166**	**7.0000e-005**	**5.9400e-003**	**1.1000e-004**	**6.0500e-003**	**1.6000e-003**	**9.0000e-005**	**1.7000e-003**	**0.0000**	**7.1042**	**7.1042**	**2.8000e-004**	**5.7000e-004**	**7.2812**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0190	0.0824	0.8550	1.5700e-003		2.5400e-003	2.5400e-003		2.5400e-003	2.5400e-003	0.0000	154.3427	154.3427	0.0190	0.0000	154.8180
Total	**0.0190**	**0.0824**	**0.8550**	**1.5700e-003**		**2.5400e-003**	**2.5400e-003**		**2.5400e-003**	**2.5400e-003**	**0.0000**	**154.3427**	**154.3427**	**0.0190**	**0.0000**	**154.8180**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	8.2700e-003	2.8500e-003	3.0000e-005	1.0400e-003	8.0000e-005	1.1200e-003	3.0000e-004	7.0000e-005	3.8000e-004	0.0000	3.3112	3.3112	1.9000e-004	4.7000e-004	3.4575
Worker	1.3300e-003	1.0000e-003	0.0138	4.0000e-005	4.4500e-003	3.0000e-005	4.4800e-003	1.1900e-003	2.0000e-005	1.2100e-003	0.0000	3.7930	3.7930	9.0000e-005	1.0000e-004	3.8238
Total	**1.6200e-003**	**9.2700e-003**	**0.0166**	**7.0000e-005**	**5.4900e-003**	**1.1000e-004**	**5.6000e-003**	**1.4900e-003**	**9.0000e-005**	**1.5900e-003**	**0.0000**	**7.1042**	**7.1042**	**2.8000e-004**	**5.7000e-004**	**7.2812**

3.3 Asphalt Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6400e-003	0.0268	0.0358	5.0000e-005		1.4400e-003	1.4400e-003		1.3300e-003	1.3300e-003	0.0000	4.3725	4.3725	1.4100e-003	0.0000	4.4078
Total	**2.6400e-003**	**0.0268**	**0.0358**	**5.0000e-005**		**1.4400e-003**	**1.4400e-003**		**1.3300e-003**	**1.3300e-003**	**0.0000**	**4.3725**	**4.3725**	**1.4100e-003**	**0.0000**	**4.4078**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.0100e-003	1.0400e-003	1.0000e-005	4.0000e-004	3.0000e-005	4.3000e-004	1.2000e-004	3.0000e-005	1.4000e-004	0.0000	1.2041	1.2041	7.0000e-005	1.7000e-004	1.2573
Worker	1.4000e-004	1.1000e-004	1.5000e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4138	0.4138	1.0000e-005	1.0000e-005	0.4171
Total	**2.5000e-004**	**3.1200e-003**	**2.5400e-003**	**1.0000e-005**	**9.3000e-004**	**3.0000e-005**	**9.6000e-004**	**2.6000e-004**	**3.0000e-005**	**2.8000e-004**	**0.0000**	**1.6179**	**1.6179**	**8.0000e-005**	**1.8000e-004**	**1.6744**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.1000e-004	2.6300e-003	0.0375	5.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	4.3725	4.3725	1.4100e-003	0.0000	4.4078
Total	**6.1000e-004**	**2.6300e-003**	**0.0375**	**5.0000e-005**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**	**0.0000**	**4.3725**	**4.3725**	**1.4100e-003**	**0.0000**	**4.4078**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.0100e-003	1.0400e-003	1.0000e-005	3.8000e-004	3.0000e-005	4.1000e-004	1.1000e-004	3.0000e-005	1.4000e-004	0.0000	1.2041	1.2041	7.0000e-005	1.7000e-004	1.2573
Worker	1.4000e-004	1.1000e-004	1.5000e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4138	0.4138	1.0000e-005	1.0000e-005	0.4171
Total	**2.5000e-004**	**3.1200e-003**	**2.5400e-003**	**1.0000e-005**	**8.7000e-004**	**3.0000e-005**	**9.0000e-004**	**2.4000e-004**	**3.0000e-005**	**2.7000e-004**	**0.0000**	**1.6179**	**1.6179**	**8.0000e-005**	**1.8000e-004**	**1.6744**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0171	0.0000	0.0171	2.5900e-003	0.0000	2.5900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0171**	**0.0000**	**0.0171**	**2.5900e-003**	**0.0000**	**2.5900e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2000e-004	0.0131	3.5200e-003	5.0000e-005	1.3700e-003	9.0000e-005	1.4700e-003	3.8000e-004	9.0000e-005	4.7000e-004	0.0000	4.9072	4.9072	4.7000e-004	7.9000e-004	5.1532
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2000e-004**	**0.0131**	**3.5200e-003**	**5.0000e-005**	**1.3700e-003**	**9.0000e-005**	**1.4700e-003**	**3.8000e-004**	**9.0000e-005**	**4.7000e-004**	**0.0000**	**4.9072**	**4.9072**	**4.7000e-004**	**7.9000e-004**	**5.1532**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.3200e-003	0.0000	7.3200e-003	1.1100e-003	0.0000	1.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**7.3200e-003**	**0.0000**	**7.3200e-003**	**1.1100e-003**	**0.0000**	**1.1100e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2000e-004	0.0131	3.5200e-003	5.0000e-005	1.2800e-003	9.0000e-005	1.3700e-003	3.5000e-004	9.0000e-005	4.4000e-004	0.0000	4.9072	4.9072	4.7000e-004	7.9000e-004	5.1532
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2000e-004**	**0.0131**	**3.5200e-003**	**5.0000e-005**	**1.2800e-003**	**9.0000e-005**	**1.3700e-003**	**3.5000e-004**	**9.0000e-005**	**4.4000e-004**	**0.0000**	**4.9072**	**4.9072**	**4.7000e-004**	**7.9000e-004**	**5.1532**

3.5 Asphalt Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0121	0.0000	0.0121	1.8400e-003	0.0000	1.8400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0121**	**0.0000**	**0.0121**	**1.8400e-003**	**0.0000**	**1.8400e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0134	3.5900e-003	5.0000e-005	1.4000e-003	1.0000e-004	1.5000e-003	3.8000e-004	9.0000e-005	4.8000e-004	0.0000	4.9993	4.9993	4.8000e-004	8.0000e-004	5.2498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0134**	**3.5900e-003**	**5.0000e-005**	**1.4000e-003**	**1.0000e-004**	**1.5000e-003**	**3.8000e-004**	**9.0000e-005**	**4.8000e-004**	**0.0000**	**4.9993**	**4.9993**	**4.8000e-004**	**8.0000e-004**	**5.2498**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.1900e-003	0.0000	5.1900e-003	7.9000e-004	0.0000	7.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.1900e-003**	**0.0000**	**5.1900e-003**	**7.9000e-004**	**0.0000**	**7.9000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0134	3.5900e-003	5.0000e-005	1.3000e-003	1.0000e-004	1.4000e-003	3.6000e-004	9.0000e-005	4.5000e-004	0.0000	4.9993	4.9993	4.8000e-004	8.0000e-004	5.2498

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0134**	**3.5900e-003**	**5.0000e-005**	**1.3000e-003**	**1.0000e-004**	**1.4000e-003**	**3.6000e-004**	**9.0000e-005**	**4.5000e-004**	**0.0000**	**4.9993**	**4.9993**	**4.8000e-004**	**8.0000e-004**	**5.2498**

3.6 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5197	0.0000	0.5197	0.0561	0.0000	0.0561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2914	3.2943	2.0827	5.2300e-003		0.1239	0.1239		0.1140	0.1140	0.0000	459.3743	459.3743	0.1486	0.0000	463.0886
Total	**0.2914**	**3.2943**	**2.0827**	**5.2300e-003**	**0.5197**	**0.1239**	**0.6436**	**0.0561**	**0.1140**	**0.1701**	**0.0000**	**459.3743**	**459.3743**	**0.1486**	**0.0000**	**463.0886**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	6.1100e-003	2.1000e-003	2.0000e-005	8.2000e-004	6.0000e-005	8.8000e-004	2.4000e-004	5.0000e-005	2.9000e-004	0.0000	2.4458	2.4458	1.4000e-004	3.5000e-004	2.5538
Worker	3.4300e-003	2.5800e-003	0.0356	1.1000e-004	0.0125	7.0000e-005	0.0126	3.3200e-003	6.0000e-005	3.3800e-003	0.0000	9.8057	9.8057	2.4000e-004	2.5000e-004	9.8853
Total	**3.6400e-003**	**8.6900e-003**	**0.0377**	**1.3000e-004**	**0.0133**	**1.3000e-004**	**0.0134**	**3.5600e-003**	**1.1000e-004**	**3.6700e-003**	**0.0000**	**12.2515**	**12.2515**	**3.8000e-004**	**6.0000e-004**	**12.4391**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2222	0.0000	0.2222	0.0240	0.0000	0.0240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0642	0.2781	2.4172	5.2300e-003		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	459.3737	459.3737	0.1486	0.0000	463.0880
Total	**0.0642**	**0.2781**	**2.4172**	**5.2300e-003**	**0.2222**	**8.5600e-003**	**0.2307**	**0.0240**	**8.5600e-003**	**0.0326**	**0.0000**	**459.3737**	**459.3737**	**0.1486**	**0.0000**	**463.0880**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	6.1100e-003	2.1000e-003	2.0000e-005	7.7000e-004	6.0000e-005	8.2000e-004	2.2000e-004	5.0000e-005	2.8000e-004	0.0000	2.4458	2.4458	1.4000e-004	3.5000e-004	2.5538
Worker	3.4300e-003	2.5800e-003	0.0356	1.1000e-004	0.0115	7.0000e-005	0.0116	3.0800e-003	6.0000e-005	3.1400e-003	0.0000	9.8057	9.8057	2.4000e-004	2.5000e-004	9.8853
Total	**3.6400e-003**	**8.6900e-003**	**0.0377**	**1.3000e-004**	**0.0123**	**1.3000e-004**	**0.0124**	**3.3000e-003**	**1.1000e-004**	**3.4200e-003**	**0.0000**	**12.2515**	**12.2515**	**3.8000e-004**	**6.0000e-004**	**12.4391**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5197	0.0000	0.5197	0.0561	0.0000	0.0561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1406	1.5302	1.0232	2.6500e-003		0.0579	0.0579		0.0532	0.0532	0.0000	233.1691	233.1691	0.0754	0.0000	235.0544
Total	**0.1406**	**1.5302**	**1.0232**	**2.6500e-003**	**0.5197**	**0.0579**	**0.5775**	**0.0561**	**0.0532**	**0.1093**	**0.0000**	**233.1691**	**233.1691**	**0.0754**	**0.0000**	**235.0544**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.4200e-003	9.7000e-004	1.0000e-005	4.2000e-004	1.0000e-005	4.3000e-004	1.2000e-004	1.0000e-005	1.3000e-004	0.0000	1.1829	1.1829	7.0000e-005	1.7000e-004	1.2353
Worker	1.6300e-003	1.1700e-003	0.0168	5.0000e-005	6.3400e-003	3.0000e-005	6.3700e-003	1.6800e-003	3.0000e-005	1.7100e-003	0.0000	4.8203	4.8203	1.1000e-004	1.2000e-004	4.8578
Total	**1.7000e-003**	**3.5900e-003**	**0.0178**	**6.0000e-005**	**6.7600e-003**	**4.0000e-005**	**6.8000e-003**	**1.8000e-003**	**4.0000e-005**	**1.8400e-003**	**0.0000**	**6.0032**	**6.0032**	**1.8000e-004**	**2.9000e-004**	**6.0931**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2222	0.0000	0.2222	0.0240	0.0000	0.0240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0326	0.1412	1.2272	2.6500e-003		4.3400e-003	4.3400e-003		4.3400e-003	4.3400e-003	0.0000	233.1689	233.1689	0.0754	0.0000	235.0542
Total	**0.0326**	**0.1412**	**1.2272**	**2.6500e-003**	**0.2222**	**4.3400e-003**	**0.2265**	**0.0240**	**4.3400e-003**	**0.0283**	**0.0000**	**233.1689**	**233.1689**	**0.0754**	**0.0000**	**235.0542**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.4200e-003	9.7000e-004	1.0000e-005	3.9000e-004	1.0000e-005	4.0000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.1829	1.1829	7.0000e-005	1.7000e-004	1.2353
Worker	1.6300e-003	1.1700e-003	0.0168	5.0000e-005	5.8500e-003	3.0000e-005	5.8800e-003	1.5600e-003	3.0000e-005	1.5900e-003	0.0000	4.8203	4.8203	1.1000e-004	1.2000e-004	4.8578
Total	**1.7000e-003**	**3.5900e-003**	**0.0178**	**6.0000e-005**	**6.2400e-003**	**4.0000e-005**	**6.2800e-003**	**1.6700e-003**	**4.0000e-005**	**1.7100e-003**	**0.0000**	**6.0032**	**6.0032**	**1.8000e-004**	**2.9000e-004**	**6.0931**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation Soil Haul 2022 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4400e-003	0.0000	1.4400e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.4400e-003**	**0.0000**	**1.4400e-003**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.3700e-003	0.2602	0.0699	9.5000e-004	0.0273	1.8700e-003	0.0292	7.4800e-003	1.7900e-003	9.2800e-003	0.0000	97.4701	97.4701	9.2900e-003	0.0156	102.3546
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.3700e-003**	**0.2602**	**0.0699**	**9.5000e-004**	**0.0273**	**1.8700e-003**	**0.0292**	**7.4800e-003**	**1.7900e-003**	**9.2800e-003**	**0.0000**	**97.4701**	**97.4701**	**9.2900e-003**	**0.0156**	**102.3546**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.1000e-004	0.0000	6.1000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**6.1000e-004**	**0.0000**	**6.1000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.3700e-003	0.2602	0.0699	9.5000e-004	0.0254	1.8700e-003	0.0273	7.0300e-003	1.7900e-003	8.8200e-003	0.0000	97.4701	97.4701	9.2900e-003	0.0156	102.3546
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.3700e-003**	**0.2602**	**0.0699**	**9.5000e-004**	**0.0254**	**1.8700e-003**	**0.0273**	**7.0300e-003**	**1.7900e-003**	**8.8200e-003**	**0.0000**	**97.4701**	**97.4701**	**9.2900e-003**	**0.0156**	**102.3546**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Site Preparation Soil Haul 2023 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.3000e-004	0.0000	7.3000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**7.3000e-004**	**0.0000**	**7.3000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6400e-003	0.1011	0.0331	4.5000e-004	0.0139	6.2000e-004	0.0145	3.8000e-003	5.9000e-004	4.3900e-003	0.0000	46.8101	46.8101	4.7200e-003	7.5100e-003	49.1658
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6400e-003**	**0.1011**	**0.0331**	**4.5000e-004**	**0.0139**	**6.2000e-004**	**0.0145**	**3.8000e-003**	**5.9000e-004**	**4.3900e-003**	**0.0000**	**46.8101**	**46.8101**	**4.7200e-003**	**7.5100e-003**	**49.1658**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.1000e-004	0.0000	3.1000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**3.1000e-004**	**0.0000**	**3.1000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6400e-003	0.1011	0.0331	4.5000e-004	0.0129	6.2000e-004	0.0135	3.5700e-003	5.9000e-004	4.1600e-003	0.0000	46.8101	46.8101	4.7200e-003	7.5100e-003	49.1658
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6400e-003**	**0.1011**	**0.0331**	**4.5000e-004**	**0.0129**	**6.2000e-004**	**0.0135**	**3.5700e-003**	**5.9000e-004**	**4.1600e-003**	**0.0000**	**46.8101**	**46.8101**	**4.7200e-003**	**7.5100e-003**	**49.1658**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0853	0.7938	0.7150	1.5100e-003		0.0332	0.0332		0.0310	0.0310	0.0000	128.9587	128.9587	0.0378	0.0000	129.9033
Total	**0.0853**	**0.7938**	**0.7150**	**1.5100e-003**		**0.0332**	**0.0332**		**0.0310**	**0.0310**	**0.0000**	**128.9587**	**128.9587**	**0.0378**	**0.0000**	**129.9033**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0132	0.4893	0.1965	2.4000e-003	0.0840	2.4000e-003	0.0864	0.0242	2.3000e-003	0.0265	0.0000	238.8832	238.8832	0.0142	0.0343	249.4601
Worker	0.0964	0.0689	0.9936	3.1100e-003	0.3749	1.9500e-003	0.3769	0.0996	1.7900e-003	0.1014	0.0000	285.0693	285.0693	6.6400e-003	6.8900e-003	287.2871
Total	**0.1097**	**0.5582**	**1.1901**	**5.5100e-003**	**0.4589**	**4.3500e-003**	**0.4633**	**0.1238**	**4.0900e-003**	**0.1279**	**0.0000**	**523.9524**	**523.9524**	**0.0208**	**0.0412**	**536.7471**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0396	0.2197	0.7629	1.5100e-003		7.7400e-003	7.7400e-003		7.7400e-003	7.7400e-003	0.0000	128.9586	128.9586	0.0378	0.0000	129.9031
Total	**0.0396**	**0.2197**	**0.7629**	**1.5100e-003**		**7.7400e-003**	**7.7400e-003**		**7.7400e-003**	**7.7400e-003**	**0.0000**	**128.9586**	**128.9586**	**0.0378**	**0.0000**	**129.9031**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0132	0.4893	0.1965	2.4000e-003	0.0786	2.4000e-003	0.0810	0.0229	2.3000e-003	0.0252	0.0000	238.8832	238.8832	0.0142	0.0343	249.4601
Worker	0.0964	0.0689	0.9936	3.1100e-003	0.3457	1.9500e-003	0.3476	0.0924	1.7900e-003	0.0942	0.0000	285.0693	285.0693	6.6400e-003	6.8900e-003	287.2871
Total	**0.1097**	**0.5582**	**1.1901**	**5.5100e-003**	**0.4243**	**4.3500e-003**	**0.4286**	**0.1153**	**4.0900e-003**	**0.1194**	**0.0000**	**523.9524**	**523.9524**	**0.0208**	**0.0412**	**536.7471**

3.9 Retail and Residential Building A Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0918	0.8368	0.7721	1.6600e-003		0.0343	0.0343		0.0321	0.0321	0.0000	141.9441	141.9441	0.0416	0.0000	142.9837
Total	**0.0918**	**0.8368**	**0.7721**	**1.6600e-003**		**0.0343**	**0.0343**		**0.0321**	**0.0321**	**0.0000**	**141.9441**	**141.9441**	**0.0416**	**0.0000**	**142.9837**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.5370	0.2147	2.5900e-003	0.0924	2.7700e-003	0.0952	0.0267	2.6500e-003	0.0293	0.0000	258.8967	258.8967	0.0158	0.0373	270.4161
Worker	0.0999	0.0681	1.0187	3.3100e-003	0.4127	2.0300e-003	0.4148	0.1096	1.8700e-003	0.1115	0.0000	303.8673	303.8673	6.6300e-003	7.0900e-003	306.1447
Total	**0.1142**	**0.6051**	**1.2334**	**5.9000e-003**	**0.5052**	**4.8000e-003**	**0.5100**	**0.1363**	**4.5200e-003**	**0.1408**	**0.0000**	**562.7640**	**562.7640**	**0.0224**	**0.0444**	**576.5608**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0436	0.2419	0.8398	1.6600e-003		8.5200e-003	8.5200e-003		8.5200e-003	8.5200e-003	0.0000	141.9439	141.9439	0.0416	0.0000	142.9835
Total	**0.0436**	**0.2419**	**0.8398**	**1.6600e-003**		**8.5200e-003**	**8.5200e-003**		**8.5200e-003**	**8.5200e-003**	**0.0000**	**141.9439**	**141.9439**	**0.0416**	**0.0000**	**142.9835**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.5370	0.2147	2.5900e-003	0.0865	2.7700e-003	0.0893	0.0252	2.6500e-003	0.0279	0.0000	258.8967	258.8967	0.0158	0.0373	270.4161
Worker	0.0999	0.0681	1.0187	3.3100e-003	0.3805	2.0300e-003	0.3826	0.1017	1.8700e-003	0.1036	0.0000	303.8673	303.8673	6.6300e-003	7.0900e-003	306.1447
Total	**0.1142**	**0.6051**	**1.2334**	**5.9000e-003**	**0.4671**	**4.8000e-003**	**0.4719**	**0.1269**	**4.5200e-003**	**0.1314**	**0.0000**	**562.7640**	**562.7640**	**0.0224**	**0.0444**	**576.5608**

3.9 Retail and Residential Building A Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0653	0.5775	0.5593	1.2400e-003		0.0231	0.0231		0.0216	0.0216	0.0000	105.6575	105.6575	0.0310	0.0000	106.4314
Total	**0.0653**	**0.5775**	**0.5593**	**1.2400e-003**		**0.0231**	**0.0231**		**0.0216**	**0.0216**	**0.0000**	**105.6575**	**105.6575**	**0.0310**	**0.0000**	**106.4314**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0105	0.3977	0.1591	1.8900e-003	0.0688	2.0700e-003	0.0709	0.0198	1.9800e-003	0.0218	0.0000	189.0855	189.0855	0.0119	0.0274	197.5420
Worker	0.0702	0.0459	0.7121	2.3800e-003	0.3072	1.4500e-003	0.3086	0.0816	1.3300e-003	0.0829	0.0000	218.4767	218.4767	4.4900e-003	4.9600e-003	220.0669
Total	**0.0808**	**0.4436**	**0.8712**	**4.2700e-003**	**0.3760**	**3.5200e-003**	**0.3795**	**0.1014**	**3.3100e-003**	**0.1047**	**0.0000**	**407.5622**	**407.5622**	**0.0164**	**0.0323**	**417.6089**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0325	0.1800	0.6250	1.2400e-003		6.3400e-003	6.3400e-003		6.3400e-003	6.3400e-003	0.0000	105.6574	105.6574	0.0310	0.0000	106.4312
Total	**0.0325**	**0.1800**	**0.6250**	**1.2400e-003**		**6.3400e-003**	**6.3400e-003**		**6.3400e-003**	**6.3400e-003**	**0.0000**	**105.6574**	**105.6574**	**0.0310**	**0.0000**	**106.4312**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0105	0.3977	0.1591	1.8900e-003	0.0644	2.0700e-003	0.0665	0.0188	1.9800e-003	0.0208	0.0000	189.0855	189.0855	0.0119	0.0274	197.5420
Worker	0.0702	0.0459	0.7121	2.3800e-003	0.2832	1.4500e-003	0.2847	0.0757	1.3300e-003	0.0770	0.0000	218.4767	218.4767	4.4900e-003	4.9600e-003	220.0669
Total	**0.0808**	**0.4436**	**0.8712**	**4.2700e-003**	**0.3476**	**3.5200e-003**	**0.3512**	**0.0945**	**3.3100e-003**	**0.0978**	**0.0000**	**407.5622**	**407.5622**	**0.0164**	**0.0323**	**417.6089**

3.10 Retail Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2578					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5800e-003	0.0652	0.0906	1.5000e-004		3.5400e-003	3.5400e-003		3.5400e-003	3.5400e-003	0.0000	12.7663	12.7663	7.6000e-004	0.0000	12.7854
Total	**1.2674**	**0.0652**	**0.0906**	**1.5000e-004**		**3.5400e-003**	**3.5400e-003**		**3.5400e-003**	**3.5400e-003**	**0.0000**	**12.7663**	**12.7663**	**7.6000e-004**	**0.0000**	**12.7854**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4800e-003	1.0600e-003	0.0153	5.0000e-005	5.7600e-003	3.0000e-005	5.7900e-003	1.5300e-003	3.0000e-005	1.5600e-003	0.0000	4.3821	4.3821	1.0000e-004	1.1000e-004	4.4162
Total	**1.4800e-003**	**1.0600e-003**	**0.0153**	**5.0000e-005**	**5.7600e-003**	**3.0000e-005**	**5.7900e-003**	**1.5300e-003**	**3.0000e-005**	**1.5600e-003**	**0.0000**	**4.3821**	**4.3821**	**1.0000e-004**	**1.1000e-004**	**4.4162**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2578					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4900e-003	6.4400e-003	0.0916	1.5000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	12.7663	12.7663	7.6000e-004	0.0000	12.7854
Total	**1.2593**	**6.4400e-003**	**0.0916**	**1.5000e-004**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**	**0.0000**	**12.7663**	**12.7663**	**7.6000e-004**	**0.0000**	**12.7854**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4800e-003	1.0600e-003	0.0153	5.0000e-005	5.3100e-003	3.0000e-005	5.3400e-003	1.4200e-003	3.0000e-005	1.4500e-003	0.0000	4.3821	4.3821	1.0000e-004	1.1000e-004	4.4162
Total	**1.4800e-003**	**1.0600e-003**	**0.0153**	**5.0000e-005**	**5.3100e-003**	**3.0000e-005**	**5.3400e-003**	**1.4200e-003**	**3.0000e-005**	**1.4500e-003**	**0.0000**	**4.3821**	**4.3821**	**1.0000e-004**	**1.1000e-004**	**4.4162**

3.11 Finishing and Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9600e-003	0.0582	0.0232	9.0000e-005		1.8900e-003	1.8900e-003		1.7400e-003	1.7400e-003	0.0000	8.1348	8.1348	2.6300e-003	0.0000	8.2006
Total	**4.9600e-003**	**0.0582**	**0.0232**	**9.0000e-005**		**1.8900e-003**	**1.8900e-003**		**1.7400e-003**	**1.7400e-003**	**0.0000**	**8.1348**	**8.1348**	**2.6300e-003**	**0.0000**	**8.2006**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	6.0000e-005	8.9000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2667	0.2667	1.0000e-005	1.0000e-005	0.2687
Total	**9.0000e-005**	**6.0000e-005**	**8.9000e-004**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2667**	**0.2667**	**1.0000e-005**	**1.0000e-005**	**0.2687**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1400e-003	4.9200e-003	0.0417	9.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	8.1348	8.1348	2.6300e-003	0.0000	8.2006
Total	**1.1400e-003**	**4.9200e-003**	**0.0417**	**9.0000e-005**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**	**0.0000**	**8.1348**	**8.1348**	**2.6300e-003**	**0.0000**	**8.2006**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	6.0000e-005	8.9000e-004	0.0000	3.3000e-004	0.0000	3.4000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2667	0.2667	1.0000e-005	1.0000e-005	0.2687
Total	**9.0000e-005**	**6.0000e-005**	**8.9000e-004**	**0.0000**	**3.3000e-004**	**0.0000**	**3.4000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2667**	**0.2667**	**1.0000e-005**	**1.0000e-005**	**0.2687**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1700e-003	0.0124	0.0141	3.0000e-005		5.3000e-004	5.3000e-004		4.8000e-004	4.8000e-004	0.0000	2.7987	2.7987	9.1000e-004	0.0000	2.8213
Paving	9.6800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.0124**	**0.0141**	**3.0000e-005**		**5.3000e-004**	**5.3000e-004**		**4.8000e-004**	**4.8000e-004**	**0.0000**	**2.7987**	**2.7987**	**9.1000e-004**	**0.0000**	**2.8213**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1616	0.1616	0.0000	0.0000	0.1629
Total	**5.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1616**	**0.1616**	**0.0000**	**0.0000**	**0.1629**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9000e-004	1.6900e-003	0.0189	3.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	2.7987	2.7987	9.1000e-004	0.0000	2.8213
Paving	9.6800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**1.6900e-003**	**0.0189**	**3.0000e-005**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**2.7987**	**2.7987**	**9.1000e-004**	**0.0000**	**2.8213**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1616	0.1616	0.0000	0.0000	0.1629
Total	**5.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1616**	**0.1616**	**0.0000**	**0.0000**	**0.1629**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Residential Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3657					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0113	0.0756	0.1194	2.0000e-004		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	16.8515	16.8515	9.2000e-004	0.0000	16.8745
Total	**1.3769**	**0.0756**	**0.1194**	**2.0000e-004**		**3.4000e-003**	**3.4000e-003**		**3.4000e-003**	**3.4000e-003**	**0.0000**	**16.8515**	**16.8515**	**9.2000e-004**	**0.0000**	**16.8745**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7400e-003	1.1400e-003	0.0176	6.0000e-005	7.6100e-003	4.0000e-005	7.6400e-003	2.0200e-003	3.0000e-005	2.0500e-003	0.0000	5.4107	5.4107	1.1000e-004	1.2000e-004	5.4501
Total	**1.7400e-003**	**1.1400e-003**	**0.0176**	**6.0000e-005**	**7.6100e-003**	**4.0000e-005**	**7.6400e-003**	**2.0200e-003**	**3.0000e-005**	**2.0500e-003**	**0.0000**	**5.4107**	**5.4107**	**1.1000e-004**	**1.2000e-004**	**5.4501**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Archit. Coating	1.3657					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9600e-003	8.5000e-003	0.1209	2.0000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	16.8515	16.8515	9.2000e-004	0.0000	16.8744
Total	**1.3676**	**8.5000e-003**	**0.1209**	**2.0000e-004**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**16.8515**	**16.8515**	**9.2000e-004**	**0.0000**	**16.8744**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7400e-003	1.1400e-003	0.0176	6.0000e-005	7.0100e-003	4.0000e-005	7.0500e-003	1.8700e-003	3.0000e-005	1.9100e-003	0.0000	5.4107	5.4107	1.1000e-004	1.2000e-004	5.4501
Total	**1.7400e-003**	**1.1400e-003**	**0.0176**	**6.0000e-005**	**7.0100e-003**	**4.0000e-005**	**7.0500e-003**	**1.8700e-003**	**3.0000e-005**	**1.9100e-003**	**0.0000**	**5.4107**	**5.4107**	**1.1000e-004**	**1.2000e-004**	**5.4501**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	476.80	1000sqft	5.47	476,800.00	0
Other Asphalt Surfaces	192.00	1000sqft	4.41	192,000.00	0
Other Non-Asphalt Surfaces	124.72	1000sqft	2.86	124,717.00	0
Parking Lot	129.81	1000sqft	2.98	129,809.00	0
Health Club	128.00	1000sqft	0.98	128,000.00	0
Apartments Mid Rise	390.00	Dwelling Unit	0.00	436,500.00	1115
Regional Shopping Center	119.42	1000sqft	0.80	119,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - structures are comprised of multiple stories

Construction Phase - based on information provided by applicant. see project description for construction durations

Off-road Equipment - based on information provided by the applicant

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - no additional equipment required for asphalt demolition debris haul

Off-road Equipment - based on information provided by applicant

Off-road Equipment - no additional equipment required for building demolition haul

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - no additional equipment required for site preparation soil haul

Off-road Equipment - no additional equipment required for site preparation soil haul

Trips and VMT - assumes 4 vt/water truck/day. Assumes that 2 dump trucks will be used for asphalt demo haul. Building Construction and Arch Coat are calculated based on CalEEMod Appendix A rates

Demolition -

Grading -

Architectural Coating - see assumptions file for calculations. Parking only accounts for parking area and driveways

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186, MM: Tier 4 (Final) Equipment hp>50

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	123,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	371,123.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,400.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,400.00	47,917.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	294,638.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	883,913.00	0.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	300.00	695.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	98.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	10.00	33.00

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblGrading	MaterialExported	0.00	25,416.00
tblGrading	MaterialExported	0.00	12,904.00
tblLandUse	LandUseSquareFeet	124,720.00	124,717.00
tblLandUse	LandUseSquareFeet	129,810.00	129,809.00
tblLandUse	LandUseSquareFeet	390,000.00	436,500.00
tblLandUse	LandUseSquareFeet	119,420.00	119,415.00
tblLandUse	LotAcreage	10.95	5.47
tblLandUse	LotAcreage	2.94	0.98
tblLandUse	LotAcreage	10.26	0.00
tblLandUse	LotAcreage	2.74	0.80
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	158.00	131.00
tblOffRoadEquipment	HorsePower	130.00	188.00
tblOffRoadEquipment	HorsePower	80.00	86.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	101.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	367.00	365.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblTripsAndVMT	HaulingTripNumber	158.00	160.00
tblTripsAndVMT	HaulingTripNumber	112.00	163.00
tblTripsAndVMT	HaulingTripNumber	3,177.00	3,178.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	234.00	112.00
tblTripsAndVMT	WorkerTripNumber	152.00	21.00
tblTripsAndVMT	WorkerTripNumber	761.00	287.00
tblTripsAndVMT	WorkerTripNumber	152.00	21.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.2759	109.2263	67.4349	0.1943	11.9187	3.8737	15.7924	1.7867	3.5659	5.0624	0.0000	19,313.9056	19,313.9056	5.3671	0.6096	19,611.7042
2023	52.3932	109.8825	81.5387	0.2522	15.8426	3.8621	19.7047	2.5532	3.5591	6.1123	0.0000	25,258.1148	25,258.1148	5.9071	0.8964	25,672.9244
2024	6.3907	21.0297	23.7143	0.0808	4.0471	0.6813	4.7283	1.0895	0.6313	1.7208	0.0000	8,171.5224	8,171.5224	1.2022	0.3711	8,312.1686
2025	43.2741	12.5601	19.1786	0.0652	4.1588	0.3768	4.5356	1.1191	0.3595	1.4786	0.0000	6,640.0993	6,640.0993	0.5684	0.3650	6,763.0658
Maximum	**52.3932**	**109.8825**	**81.5387**	**0.2522**	**15.8426**	**3.8737**	**19.7047**	**2.5532**	**3.5659**	**6.1123**	**0.0000**	**25,258.1148**	**25,258.1148**	**5.9071**	**0.8964**	**25,672.9244**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.2848	16.4199	77.7277	0.1943	5.7316	0.3248	6.0564	0.9222	0.3220	1.1369	0.0000	19,313.9056	19,313.9056	5.3671	0.6096	19,611.7042
2023	51.6855	20.8744	94.3018	0.2522	9.3585	0.4050	9.7635	1.7987	0.4010	2.1998	0.0000	25,258.1148	25,258.1148	5.9071	0.8964	25,672.9244
2024	5.3646	7.3660	27.8183	0.0808	3.7405	0.1368	3.8773	1.0142	0.1346	1.1489	0.0000	8,171.5224	8,171.5224	1.2022	0.3711	8,312.1686
2025	42.6546	6.4495	19.8997	0.0652	3.8435	0.1101	3.9536	1.0417	0.1079	1.1496	0.0000	6,640.0993	6,640.0993	0.5684	0.3650	6,763.0658
Maximum	**51.6855**	**20.8744**	**94.3018**	**0.2522**	**9.3585**	**0.4050**	**9.7635**	**1.7987**	**0.4010**	**2.1998**	**0.0000**	**25,258.1148**	**25,258.1148**	**5.9071**	**0.8964**	**25,672.9244**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**8.39**	**79.77**	**-14.53**	**0.00**	**36.96**	**88.89**	**47.16**	**27.05**	**88.10**	**60.80**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Demolition	Demolition	6/1/2022	9/30/2022	5	88	
2	Asphalt Demolition	Demolition	7/1/2022	8/15/2022	5	32	
3	Building Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	
4	Asphalt Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	
5	Site Preparation	Site Preparation	10/1/2022	2/15/2023	5	98	
6	Site Preparation Soil Haul 2022	Site Preparation	10/1/2022	12/31/2022	5	65	
7	Site Preparation Soil Haul 2023	Site Preparation	1/1/2023	2/15/2023	5	33	
8	Retail and Residential Building A Building Construction	Building Construction	2/1/2023	9/30/2025	5	695	
9	Retail Architectural Coating	Architectural Coating	10/15/2023	12/23/2023	5	50	
10	Finishing and Landscaping	Trenching	4/1/2024	4/30/2024	5	22	
11	Paving	Paving	4/1/2024	4/7/2024	5	5	
12	Residential Architectural Coating	Architectural Coating	7/1/2025	9/30/2025	5	66	

Acres of Grading (Site Preparation Phase): 980

Acres of Grading (Grading Phase): 0

Acres of Paving: 15.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 371,123; Non-Residential Outdoor: 123,708; Striped Parking Area: 47,917

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Building Demolition	Excavators	2	8.00	131	0.38
Building Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Debris Haul	Excavators	0	8.00	158	0.38
Building Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38
Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Excavators	1	8.00	101	0.38
Site Preparation	Graders	4	8.00	238	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	8	8.00	365	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation Soil Haul 2022	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2022	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation Soil Haul 2023	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2023	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Retail and Residential Building A Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Retail and Residential Building A Building Construction	Cranes	1	8.00	300	0.29
Retail and Residential Building A Building Construction	Forklifts	0	8.00	89	0.20
Retail and Residential Building A Building Construction	Generator Sets	0	8.00	84	0.74
Retail and Residential Building A Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Retail and Residential Building A Building Construction	Welders	0	8.00	46	0.45
Retail Architectural Coating	Air Compressors	2	6.00	78	0.48
Finishing and Landscaping	Graders	1	8.00	238	0.41
Paving	Pavers	1	8.00	188	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	8.00	86	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Residential Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Demolition	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Debris Haul	0	0.00	0.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition Debris Haul	0	0.00	0.00	163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2022	0	0.00	0.00	3,178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2023	0	0.00	0.00	1,613.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail and Residential Building A Building	3	287.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail Architectural Coating	2	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing and Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Architectural Coating	2	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7282	11.3102	12.7732	0.0358		0.4637	0.4637		0.4451	0.4451		3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**1.7282**	**11.3102**	**12.7732**	**0.0358**		**0.4637**	**0.4637**		**0.4451**	**0.4451**		**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6700e-003	9.0300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.0301	0.0202	0.3286	9.7000e-004	0.1118	6.0000e-004	0.1124	0.0296	5.5000e-004	0.0302		98.4712	98.4712	2.3200e-003	2.2100e-003	99.1885
Total	**0.0367**	**0.1997**	**0.3924**	**1.7300e-003**	**0.1374**	**2.3500e-003**	**0.1397**	**0.0370**	**2.2200e-003**	**0.0392**		**181.4142**	**181.4142**	**7.0700e-003**	**0.0141**	**185.7925**

Mitigated Construction On-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4322	1.8730	19.4318	0.0358		0.0576	0.0576		0.0576	0.0576	0.0000	3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**0.4322**	**1.8730**	**19.4318**	**0.0358**		**0.0576**	**0.0576**		**0.0576**	**0.0576**	**0.0000**	**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6700e-003	8.6300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.0301	0.0202	0.3286	9.7000e-004	0.1030	6.0000e-004	0.1036	0.0275	5.5000e-004	0.0281		98.4712	98.4712	2.3200e-003	2.2100e-003	99.1885
Total	**0.0367**	**0.1997**	**0.3924**	**1.7300e-003**	**0.1270**	**2.3500e-003**	**0.1293**	**0.0345**	**2.2200e-003**	**0.0367**		**181.4142**	**181.4142**	**7.0700e-003**	**0.0141**	**185.7925**

3.3 Asphalt Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Total	**0.1647**	**1.6756**	**2.2379**	**3.1100e-003**		**0.0901**	**0.0901**		**0.0829**	**0.0829**		**301.2390**	**301.2390**	**0.0974**		**303.6746**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6700e-003	9.0300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	9.0200e-003	6.0600e-003	0.0986	2.9000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.7000e-004	9.0600e-003		29.5414	29.5414	6.9000e-004	6.6000e-004	29.7566
Total	**0.0157**	**0.1855**	**0.1623**	**1.0500e-003**	**0.0591**	**1.9300e-003**	**0.0610**	**0.0163**	**1.8400e-003**	**0.0181**		**112.4844**	**112.4844**	**5.4400e-003**	**0.0126**	**116.3606**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0380	0.1646	2.3421	3.1100e-003		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003	0.0000	301.2390	301.2390	0.0974		303.6746
Total	**0.0380**	**0.1646**	**2.3421**	**3.1100e-003**		**5.0600e-003**	**5.0600e-003**		**5.0600e-003**	**5.0600e-003**	**0.0000**	**301.2390**	**301.2390**	**0.0974**		**303.6746**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6700e-003	8.6300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	9.0200e-003	6.0600e-003	0.0986	2.9000e-004	0.0309	1.8000e-004	0.0311	8.2500e-003	1.7000e-004	8.4200e-003		29.5414	29.5414	6.9000e-004	6.6000e-004	29.7566
Total	**0.0157**	**0.1855**	**0.1623**	**1.0500e-003**	**0.0549**	**1.9300e-003**	**0.0568**	**0.0152**	**1.8400e-003**	**0.0171**		**112.4844**	**112.4844**	**5.4400e-003**	**0.0126**	**116.3606**

3.4 Building Demolition Debris Haul - 2022

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7064	0.0000	5.7064	0.8640	0.0000	0.8640			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.7064**	**0.0000**	**5.7064**	**0.8640**	**0.0000**	**0.8640**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1080	4.1518	1.1662	0.0159	0.4651	0.0314	0.4965	0.1274	0.0301	0.1574		1,802.9238	1,802.9238	0.1719	0.2888	1,893.2714
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1080**	**4.1518**	**1.1662**	**0.0159**	**0.4651**	**0.0314**	**0.4965**	**0.1274**	**0.0301**	**0.1574**		**1,802.9238**	**1,802.9238**	**0.1719**	**0.2888**	**1,893.2714**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4395	0.0000	2.4395	0.3694	0.0000	0.3694			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.4395**	**0.0000**	**2.4395**	**0.3694**	**0.0000**	**0.3694**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1080	4.1518	1.1662	0.0159	0.4334	0.0314	0.4648	0.1196	0.0301	0.1496		1,802.9238	1,802.9238	0.1719	0.2888	1,893.2714
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1080**	**4.1518**	**1.1662**	**0.0159**	**0.4334**	**0.0314**	**0.4648**	**0.1196**	**0.0301**	**0.1496**		**1,802.9238**	**1,802.9238**	**0.1719**	**0.2888**	**1,893.2714**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Asphalt Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0444	0.0000	4.0444	0.6124	0.0000	0.6124			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.0444**	**0.0000**	**4.0444**	**0.6124**	**0.0000**	**0.6124**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1100	4.2296	1.1881	0.0162	0.4738	0.0320	0.5058	0.1298	0.0306	0.1604		1,836.7286	1,836.7286	0.1751	0.2942	1,928.7702
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1100**	**4.2296**	**1.1881**	**0.0162**	**0.4738**	**0.0320**	**0.5058**	**0.1298**	**0.0306**	**0.1604**		**1,836.7286**	**1,836.7286**	**0.1751**	**0.2942**	**1,928.7702**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7290	0.0000	1.7290	0.2618	0.0000	0.2618			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.7290**	**0.0000**	**1.7290**	**0.2618**	**0.0000**	**0.2618**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1100	4.2296	1.1881	0.0162	0.4415	0.0320	0.4735	0.1218	0.0306	0.1524		1,836.7286	1,836.7286	0.1751	0.2942	1,928.7702
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1100**	**4.2296**	**1.1881**	**0.0162**	**0.4415**	**0.0320**	**0.4735**	**0.1218**	**0.0306**	**0.1524**		**1,836.7286**	**1,836.7286**	**0.1751**	**0.2942**	**1,928.7702**

3.6 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.9659	101.3640	64.0828	0.1609		3.8122	3.8122		3.5072	3.5072		15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**8.9659**	**101.3640**	**64.0828**	**0.1609**	**10.6050**	**3.8122**	**14.4172**	**1.1451**	**3.5072**	**4.6523**		**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6700e-003	9.0300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.1053	0.0707	1.1502	3.4100e-003	0.3912	2.1100e-003	0.3933	0.1038	1.9400e-003	0.1057		344.6490	344.6490	8.1100e-003	7.7500e-003	347.1598
Total	**0.1119**	**0.2502**	**1.2140**	**4.1700e-003**	**0.4168**	**3.8600e-003**	**0.4207**	**0.1111**	**3.6100e-003**	**0.1147**		**427.5921**	**427.5921**	**0.0129**	**0.0196**	**433.7638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	1.9748	8.5576	74.3756	0.1609		0.2633	0.2633		0.2633	0.2633	0.0000	15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**1.9748**	**8.5576**	**74.3756**	**0.1609**	**4.5336**	**0.2633**	**4.7970**	**0.4895**	**0.2633**	**0.7528**	**0.0000**	**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6700e-003	8.6300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.1053	0.0707	1.1502	3.4100e-003	0.3606	2.1100e-003	0.3627	0.0962	1.9400e-003	0.0982		344.6490	344.6490	8.1100e-003	7.7500e-003	347.1598
Total	**0.1119**	**0.2502**	**1.2140**	**4.1700e-003**	**0.3846**	**3.8600e-003**	**0.3884**	**0.1032**	**3.6100e-003**	**0.1068**		**427.5921**	**427.5921**	**0.0129**	**0.0196**	**433.7638**

3.6 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.5191	92.7414	62.0147	0.1609		3.5061	3.5061		3.2256	3.2256		15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**8.5191**	**92.7414**	**62.0147**	**0.1609**	**10.6050**	**3.5061**	**14.1111**	**1.1451**	**3.2256**	**4.3707**		**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0400e-003	0.1402	0.0581	7.2000e-004	0.0256	7.2000e-004	0.0263	7.3600e-003	6.9000e-004	8.0500e-003		78.9798	78.9798	4.7000e-003	0.0113	82.4743
Worker	0.0986	0.0631	1.0688	3.3000e-003	0.3912	1.9900e-003	0.3932	0.1038	1.8400e-003	0.1056		333.6766	333.6766	7.3300e-003	7.2100e-003	336.0081
Total	**0.1026**	**0.2032**	**1.1270**	**4.0200e-003**	**0.4168**	**2.7100e-003**	**0.4195**	**0.1111**	**2.5300e-003**	**0.1136**		**412.6563**	**412.6563**	**0.0120**	**0.0185**	**418.4823**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	1.9748	8.5576	74.3756	0.1609		0.2633	0.2633		0.2633	0.2633	0.0000	15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**1.9748**	**8.5576**	**74.3756**	**0.1609**	**4.5336**	**0.2633**	**4.7970**	**0.4895**	**0.2633**	**0.7528**	**0.0000**	**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0400e-003	0.1402	0.0581	7.2000e-004	0.0239	7.2000e-004	0.0247	6.9600e-003	6.9000e-004	7.6500e-003		78.9798	78.9798	4.7000e-003	0.0113	82.4743
Worker	0.0986	0.0631	1.0688	3.3000e-003	0.3606	1.9900e-003	0.3626	0.0962	1.8400e-003	0.0981		333.6766	333.6766	7.3300e-003	7.2100e-003	336.0081
Total	**0.1026**	**0.2032**	**1.1270**	**4.0200e-003**	**0.3845**	**2.7100e-003**	**0.3873**	**0.1032**	**2.5300e-003**	**0.1057**		**412.6563**	**412.6563**	**0.0120**	**0.0185**	**418.4823**

3.7 Site Preparation Soil Haul 2022 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1981	7.6121	2.1382	0.0292	0.8527	0.0576	0.9103	0.2335	0.0551	0.2886		3,305.5914	3,305.5914	0.3151	0.5294	3,471.2402
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1981**	**7.6121**	**2.1382**	**0.0292**	**0.8527**	**0.0576**	**0.9103**	**0.2335**	**0.0551**	**0.2886**		**3,305.5914**	**3,305.5914**	**0.3151**	**0.5294**	**3,471.2402**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1981	7.6121	2.1382	0.0292	0.7945	0.0576	0.8521	0.2192	0.0551	0.2743		3,305.5914	3,305.5914	0.3151	0.5294	3,471.2402
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1981**	**7.6121**	**2.1382**	**0.0292**	**0.7945**	**0.0576**	**0.8521**	**0.2192**	**0.0551**	**0.2743**		**3,305.5914**	**3,305.5914**	**0.3151**	**0.5294**	**3,471.2402**

3.8 Site Preparation Soil Haul 2023 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1019	5.8250	1.9968	0.0274	0.8524	0.0375	0.8899	0.2334	0.0359	0.2693		3,126.0457	3,126.0457	0.3154	0.5015	3,283.3653
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1019**	**5.8250**	**1.9968**	**0.0274**	**0.8524**	**0.0375**	**0.8899**	**0.2334**	**0.0359**	**0.2693**		**3,126.0457**	**3,126.0457**	**0.3154**	**0.5015**	**3,283.3653**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1019	5.8250	1.9968	0.0274	0.7943	0.0375	0.8318	0.2192	0.0359	0.2550		3,126.0457	3,126.0457	0.3154	0.5015	3,283.3653
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1019**	**5.8250**	**1.9968**	**0.0274**	**0.7943**	**0.0375**	**0.8318**	**0.2192**	**0.0359**	**0.2550**		**3,126.0457**	**3,126.0457**	**0.3154**	**0.5015**	**3,283.3653**

3.9 Retail and Residential Building A Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7168	6.6706	6.0084	0.0127		0.2793	0.2793		0.2608	0.2608		1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.7168**	**6.6706**	**6.0084**	**0.0127**		**0.2793**	**0.2793**		**0.2608**	**0.2608**		**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1131	3.9252	1.6274	0.0201	0.7162	0.0201	0.7363	0.2061	0.0193	0.2254		2,211.4331	2,211.4331	0.1315	0.3173	2,309.2793
Worker	0.8082	0.5170	8.7644	0.0271	3.2080	0.0164	3.2243	0.8508	0.0151	0.8658		2,736.1480	2,736.1480	0.0601	0.0591	2,755.2662
Total	**0.9213**	**4.4422**	**10.3918**	**0.0472**	**3.9241**	**0.0365**	**3.9606**	**1.0569**	**0.0343**	**1.0912**		**4,947.5811**	**4,947.5811**	**0.1916**	**0.3764**	**5,064.5455**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4107	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.3329**	**1.8463**	**6.4107**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1131	3.9252	1.6274	0.0201	0.6702	0.0201	0.6903	0.1948	0.0193	0.2141		2,211.4331	2,211.4331	0.1315	0.3173	2,309.2793
Worker	0.8082	0.5170	8.7644	0.0271	2.9570	0.0164	2.9733	0.7892	0.0151	0.8042		2,736.1480	2,736.1480	0.0601	0.0591	2,755.2662
Total	**0.9213**	**4.4422**	**10.3918**	**0.0472**	**3.6272**	**0.0365**	**3.6636**	**0.9840**	**0.0343**	**1.0183**		**4,947.5811**	**4,947.5811**	**0.1916**	**0.3764**	**5,064.5455**

3.9 Retail and Residential Building A Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7005	6.3874	5.8937	0.0127		0.2619	0.2619		0.2448	0.2448		1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.7005**	**6.3874**	**5.8937**	**0.0127**		**0.2619**	**0.2619**		**0.2448**	**0.2448**		**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1114	3.9136	1.6153	0.0198	0.7161	0.0211	0.7372	0.2061	0.0202	0.2263		2,177.1273	2,177.1273	0.1329	0.3137	2,273.9358
Worker	0.7595	0.4643	8.1554	0.0262	3.2080	0.0155	3.2235	0.8508	0.0143	0.8651		2,649.2537	2,649.2537	0.0545	0.0553	2,667.0907
Total	**0.8709**	**4.3779**	**9.7707**	**0.0460**	**3.9241**	**0.0366**	**3.9607**	**1.0569**	**0.0345**	**1.0913**		**4,826.3810**	**4,826.3810**	**0.1874**	**0.3690**	**4,941.0265**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4104	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.3329**	**1.8463**	**6.4104**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1114	3.9136	1.6153	0.0198	0.6702	0.0211	0.6912	0.1948	0.0202	0.2150		2,177.1273	2,177.1273	0.1329	0.3137	2,273.9358
Worker	0.7595	0.4643	8.1554	0.0262	2.9570	0.0155	2.9725	0.7892	0.0143	0.8035		2,649.2537	2,649.2537	0.0545	0.0553	2,667.0907
Total	**0.8709**	**4.3779**	**9.7707**	**0.0460**	**3.6271**	**0.0366**	**3.6637**	**0.9840**	**0.0345**	**1.0184**		**4,826.3810**	**4,826.3810**	**0.1874**	**0.3690**	**4,941.0265**

3.9 Retail and Residential Building A Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1098	3.8943	1.6088	0.0194	0.7161	0.0212	0.7373	0.2061	0.0203	0.2264		2,136.3693	2,136.3693	0.1346	0.3091	2,231.8581
Worker	0.7168	0.4205	7.6555	0.0253	3.2080	0.0148	3.2228	0.8508	0.0137	0.8644		2,559.0487	2,559.0487	0.0495	0.0520	2,575.7847
Total	**0.8266**	**4.3149**	**9.2643**	**0.0447**	**3.9241**	**0.0360**	**3.9601**	**1.0569**	**0.0339**	**1.0908**		**4,695.4179**	**4,695.4179**	**0.1841**	**0.3612**	**4,807.6429**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4104	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.3329**	**1.8463**	**6.4104**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1098	3.8943	1.6088	0.0194	0.6701	0.0212	0.6913	0.1948	0.0203	0.2151		2,136.3693	2,136.3693	0.1346	0.3091	2,231.8581
Worker	0.7168	0.4205	7.6555	0.0253	2.9570	0.0148	2.9718	0.7892	0.0137	0.8028		2,559.0487	2,559.0487	0.0495	0.0520	2,575.7847
Total	**0.8266**	**4.3149**	**9.2643**	**0.0447**	**3.6271**	**0.0360**	**3.6632**	**0.9840**	**0.0339**	**1.0179**		**4,695.4179**	**4,695.4179**	**0.1841**	**0.3612**	**4,807.6429**

3.10 Retail Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.3127					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**50.6961**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0591	0.0378	0.6413	1.9800e-003	0.2347	1.2000e-003	0.2359	0.0623	1.1000e-003	0.0634		200.2060	200.2060	4.4000e-003	4.3300e-003	201.6048
Total	**0.0591**	**0.0378**	**0.6413**	**1.9800e-003**	**0.2347**	**1.2000e-003**	**0.2359**	**0.0623**	**1.1000e-003**	**0.0634**		**200.2060**	**200.2060**	**4.4000e-003**	**4.3300e-003**	**201.6048**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.3127					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**50.3722**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0591	0.0378	0.6413	1.9800e-003	0.2164	1.2000e-003	0.2176	0.0577	1.1000e-003	0.0588		200.2060	200.2060	4.4000e-003	4.3300e-003	201.6048
Total	**0.0591**	**0.0378**	**0.6413**	**1.9800e-003**	**0.2164**	**1.2000e-003**	**0.2176**	**0.0577**	**1.1000e-003**	**0.0588**		**200.2060**	**200.2060**	**4.4000e-003**	**4.3300e-003**	**201.6048**

3.11 Finishing and Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4513	5.2891	2.1082	8.4200e-003		0.1715	0.1715		0.1578	0.1578		815.1913	815.1913	0.2637		821.7826
Total	**0.4513**	**5.2891**	**2.1082**	**8.4200e-003**		**0.1715**	**0.1715**		**0.1578**	**0.1578**		**815.1913**	**815.1913**	**0.2637**		**821.7826**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9400e-003	4.8500e-003	0.0853	2.7000e-004	0.0335	1.6000e-004	0.0337	8.8900e-003	1.5000e-004	9.0400e-003		27.6926	27.6926	5.7000e-004	5.8000e-004	27.8790
Total	**7.9400e-003**	**4.8500e-003**	**0.0853**	**2.7000e-004**	**0.0335**	**1.6000e-004**	**0.0337**	**8.8900e-003**	**1.5000e-004**	**9.0400e-003**		**27.6926**	**27.6926**	**5.7000e-004**	**5.8000e-004**	**27.8790**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1033	0.4475	3.7862	8.4200e-003		0.0138	0.0138		0.0138	0.0138	0.0000	815.1913	815.1913	0.2637		821.7826
Total	**0.1033**	**0.4475**	**3.7862**	**8.4200e-003**		**0.0138**	**0.0138**		**0.0138**	**0.0138**	**0.0000**	**815.1913**	**815.1913**	**0.2637**		**821.7826**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9400e-003	4.8500e-003	0.0853	2.7000e-004	0.0309	1.6000e-004	0.0311	8.2500e-003	1.5000e-004	8.4000e-003		27.6926	27.6926	5.7000e-004	5.8000e-004	27.8790
Total	**7.9400e-003**	**4.8500e-003**	**0.0853**	**2.7000e-004**	**0.0309**	**1.6000e-004**	**0.0311**	**8.2500e-003**	**1.5000e-004**	**8.4000e-003**		**27.6926**	**27.6926**	**5.7000e-004**	**5.8000e-004**	**27.8790**

3.12 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4666	4.9575	5.6292	0.0128		0.2106	0.2106		0.1938	0.1938		1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.3390**	**4.9575**	**5.6292**	**0.0128**		**0.2106**	**0.2106**		**0.1938**	**0.1938**		**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0212	0.0129	0.2273	7.3000e-004	0.0894	4.3000e-004	0.0899	0.0237	4.0000e-004	0.0241		73.8468	73.8468	1.5200e-003	1.5400e-003	74.3440
Total	**0.0212**	**0.0129**	**0.2273**	**7.3000e-004**	**0.0894**	**4.3000e-004**	**0.0899**	**0.0237**	**4.0000e-004**	**0.0241**		**73.8468**	**73.8468**	**1.5200e-003**	**1.5400e-003**	**74.3440**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1561	0.6765	7.5384	0.0128		0.0208	0.0208		0.0208	0.0208	0.0000	1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0285**	**0.6765**	**7.5384**	**0.0128**		**0.0208**	**0.0208**		**0.0208**	**0.0208**	**0.0000**	**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0212	0.0129	0.2273	7.3000e-004	0.0824	4.3000e-004	0.0829	0.0220	4.0000e-004	0.0224		73.8468	73.8468	1.5200e-003	1.5400e-003	74.3440
Total	**0.0212**	**0.0129**	**0.2273**	**7.3000e-004**	**0.0824**	**4.3000e-004**	**0.0829**	**0.0220**	**4.0000e-004**	**0.0224**		**73.8468**	**73.8468**	**1.5200e-003**	**1.5400e-003**	**74.3440**

3.13 Residential Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	**41.7249**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**		**562.8961**	**562.8961**	**0.0307**		**563.6637**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0525	0.0308	0.5602	1.8500e-003	0.2347	1.0900e-003	0.2358	0.0623	1.0000e-003	0.0633		187.2475	187.2475	3.6200e-003	3.8100e-003	188.4721
Total	**0.0525**	**0.0308**	**0.5602**	**1.8500e-003**	**0.2347**	**1.0900e-003**	**0.2358**	**0.0623**	**1.0000e-003**	**0.0633**		**187.2475**	**187.2475**	**3.6200e-003**	**3.8100e-003**	**188.4721**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
Total	**41.4426**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0307**		**563.6637**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0525	0.0308	0.5602	1.8500e-003	0.2164	1.0900e-003	0.2175	0.0577	1.0000e-003	0.0587		187.2475	187.2475	3.6200e-003	3.8100e-003	188.4721
Total	**0.0525**	**0.0308**	**0.5602**	**1.8500e-003**	**0.2164**	**1.0900e-003**	**0.2175**	**0.0577**	**1.0000e-003**	**0.0587**		**187.2475**	**187.2475**	**3.6200e-003**	**3.8100e-003**	**188.4721**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	476.80	1000sqft	5.47	476,800.00	0
Other Asphalt Surfaces	192.00	1000sqft	4.41	192,000.00	0
Other Non-Asphalt Surfaces	124.72	1000sqft	2.86	124,717.00	0
Parking Lot	129.81	1000sqft	2.98	129,809.00	0
Health Club	128.00	1000sqft	0.98	128,000.00	0
Apartments Mid Rise	390.00	Dwelling Unit	0.00	436,500.00	1115
Regional Shopping Center	119.42	1000sqft	0.80	119,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - structures are comprised of multiple stories

Construction Phase - based on information provided by applicant. see project description for construction durations

Off-road Equipment - based on information provided by the applicant

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - no additional equipment required for asphalt demolition debris haul

Off-road Equipment - based on information provided by applicant

Off-road Equipment - no additional equipment required for building demolition haul

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - no additional equipment required for site preparation soil haul

Off-road Equipment - no additional equipment required for site preparation soil haul

Trips and VMT - assumes 4 vt/water truck/day. Assumes that 2 dump trucks will be used for asphalt demo haul. Building Construction and Arch Coat are calculated based on CalEEMod Appendix A rates

Demolition -

Grading -

Architectural Coating - see assumptions file for calculations. Parking only accounts for parking area and driveways

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186, MM: Tier 4 (Final) Equipment hp>50

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	123,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	371,123.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,400.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,400.00	47,917.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	294,638.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	883,913.00	0.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	300.00	695.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	98.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	10.00	33.00

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblGrading	MaterialExported	0.00	25,416.00
tblGrading	MaterialExported	0.00	12,904.00
tblLandUse	LandUseSquareFeet	124,720.00	124,717.00
tblLandUse	LandUseSquareFeet	129,810.00	129,809.00
tblLandUse	LandUseSquareFeet	390,000.00	436,500.00
tblLandUse	LandUseSquareFeet	119,420.00	119,415.00
tblLandUse	LotAcreage	10.95	5.47
tblLandUse	LotAcreage	2.94	0.98
tblLandUse	LotAcreage	10.26	0.00
tblLandUse	LotAcreage	2.74	0.80
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	158.00	131.00
tblOffRoadEquipment	HorsePower	130.00	188.00
tblOffRoadEquipment	HorsePower	80.00	86.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	101.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	367.00	365.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblTripsAndVMT	HaulingTripNumber	158.00	160.00
tblTripsAndVMT	HaulingTripNumber	112.00	163.00
tblTripsAndVMT	HaulingTripNumber	3,177.00	3,178.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	234.00	112.00
tblTripsAndVMT	WorkerTripNumber	152.00	21.00
tblTripsAndVMT	WorkerTripNumber	761.00	287.00
tblTripsAndVMT	WorkerTripNumber	152.00	21.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.2804	109.5393	67.3886	0.1941	11.9187	3.8738	15.7925	1.7867	3.5661	5.0625	0.0000	19,298.1933	19,298.1933	5.3669	0.6100	19,596.1826
2023	52.4699	110.3684	80.9415	0.2508	15.8426	3.8624	19.7050	2.5532	3.5593	6.1126	0.0000	25,117.5422	25,117.5422	5.9080	0.9019	25,533.9978
2024	6.4629	21.2517	23.1944	0.0796	4.0471	0.6814	4.7285	1.0895	0.6315	1.7209	0.0000	8,043.5030	8,043.5030	1.2033	0.3755	8,185.4755
2025	43.3469	12.7786	18.6797	0.0639	4.1588	0.3769	4.5358	1.1191	0.3596	1.4787	0.0000	6,512.5780	6,512.5780	0.5695	0.3692	6,636.8319
Maximum	**52.4699**	**110.3684**	**80.9415**	**0.2508**	**15.8426**	**3.8738**	**19.7050**	**2.5532**	**3.5661**	**6.1126**	**0.0000**	**25,117.5422**	**25,117.5422**	**5.9080**	**0.9019**	**25,533.9978**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.2893	16.7329	77.6814	0.1941	5.7316	0.3249	6.0565	0.9222	0.3222	1.1370	0.0000	19,298.1933	19,298.1933	5.3669	0.6100	19,596.1826
2023	51.7621	21.3603	93.7046	0.2508	9.3585	0.4053	9.7638	1.7987	0.4013	2.2000	0.0000	25,117.5422	25,117.5422	5.9080	0.9019	25,533.9978
2024	5.4368	7.5881	27.2984	0.0796	3.7405	0.1369	3.8774	1.0142	0.1347	1.1490	0.0000	8,043.5030	8,043.5030	1.2033	0.3755	8,185.4755
2025	42.7274	6.6680	19.4008	0.0639	3.8435	0.1102	3.9537	1.0417	0.1080	1.1497	0.0000	6,512.5780	6,512.5780	0.5695	0.3692	6,636.8319
Maximum	**51.7621**	**21.3603**	**93.7046**	**0.2508**	**9.3585**	**0.4053**	**9.7638**	**1.7987**	**0.4013**	**2.2000**	**0.0000**	**25,117.5422**	**25,117.5422**	**5.9080**	**0.9019**	**25,533.9978**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**8.38**	**79.39**	**-14.66**	**0.00**	**36.96**	**88.89**	**47.16**	**27.05**	**88.10**	**60.79**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Demolition	Demolition	6/1/2022	9/30/2022	5	88	
2	Asphalt Demolition	Demolition	7/1/2022	8/15/2022	5	32	
3	Building Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	
4	Asphalt Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	
5	Site Preparation	Site Preparation	10/1/2022	2/15/2023	5	98	
6	Site Preparation Soil Haul 2022	Site Preparation	10/1/2022	12/31/2022	5	65	
7	Site Preparation Soil Haul 2023	Site Preparation	1/1/2023	2/15/2023	5	33	
8	Retail and Residential Building A Building Construction	Building Construction	2/1/2023	9/30/2025	5	695	
9	Retail Architectural Coating	Architectural Coating	10/15/2023	12/23/2023	5	50	
10	Finishing and Landscaping	Trenching	4/1/2024	4/30/2024	5	22	
11	Paving	Paving	4/1/2024	4/7/2024	5	5	
12	Residential Architectural Coating	Architectural Coating	7/1/2025	9/30/2025	5	66	

Acres of Grading (Site Preparation Phase): 980

Acres of Grading (Grading Phase): 0

Acres of Paving: 15.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 371,123; Non-Residential Outdoor: 123,708; Striped Parking Area: 47,917

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Building Demolition	Excavators	2	8.00	131	0.38
Building Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Debris Haul	Excavators	0	8.00	158	0.38
Building Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38
Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Excavators	1	8.00	101	0.38
Site Preparation	Graders	4	8.00	238	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	8	8.00	365	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation Soil Haul 2022	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2022	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation Soil Haul 2023	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2023	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Retail and Residential Building A Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Retail and Residential Building A Building Construction	Cranes	1	8.00	300	0.29
Retail and Residential Building A Building Construction	Forklifts	0	8.00	89	0.20
Retail and Residential Building A Building Construction	Generator Sets	0	8.00	84	0.74
Retail and Residential Building A Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Retail and Residential Building A Building Construction	Welders	0	8.00	46	0.45
Retail Architectural Coating	Air Compressors	2	6.00	78	0.48
Finishing and Landscaping	Graders	1	8.00	238	0.41
Paving	Pavers	1	8.00	188	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	8.00	86	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Residential Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Demolition	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Debris Haul	0	0.00	0.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition Debris Haul	0	0.00	0.00	163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2022	0	0.00	0.00	3,178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2023	0	0.00	0.00	1,613.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail and Residential Building A Building	3	287.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail Architectural Coating	2	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing and Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Architectural Coating	2	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7282	11.3102	12.7732	0.0358		0.4637	0.4637		0.4451	0.4451		3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**1.7282**	**11.3102**	**12.7732**	**0.0358**		**0.4637**	**0.4637**		**0.4451**	**0.4451**		**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6800e-003	9.0400e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.0328	0.0222	0.3058	9.3000e-004	0.1118	6.0000e-004	0.1124	0.0296	5.5000e-004	0.0302		93.7501	93.7501	2.3700e-003	2.3600e-003	94.5111
Total	**0.0393**	**0.2087**	**0.3718**	**1.6900e-003**	**0.1374**	**2.3500e-003**	**0.1397**	**0.0370**	**2.2300e-003**	**0.0392**		**176.7192**	**176.7192**	**7.1100e-003**	**0.0143**	**181.1446**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4322	1.8730	19.4318	0.0358		0.0576	0.0576		0.0576	0.0576	0.0000	3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**0.4322**	**1.8730**	**19.4318**	**0.0358**		**0.0576**	**0.0576**		**0.0576**	**0.0576**	**0.0000**	**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6800e-003	8.6300e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.0328	0.0222	0.3058	9.3000e-004	0.1030	6.0000e-004	0.1036	0.0275	5.5000e-004	0.0281		93.7501	93.7501	2.3700e-003	2.3600e-003	94.5111
Total	**0.0393**	**0.2087**	**0.3718**	**1.6900e-003**	**0.1270**	**2.3500e-003**	**0.1293**	**0.0345**	**2.2300e-003**	**0.0367**		**176.7192**	**176.7192**	**7.1100e-003**	**0.0143**	**181.1446**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Asphalt Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Total	**0.1647**	**1.6756**	**2.2379**	**3.1100e-003**		**0.0901**	**0.0901**		**0.0829**	**0.0829**		**301.2390**	**301.2390**	**0.0974**		**303.6746**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6800e-003	9.0400e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	9.8300e-003	6.6600e-003	0.0917	2.8000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.7000e-004	9.0600e-003		28.1250	28.1250	7.1000e-004	7.1000e-004	28.3533
Total	**0.0164**	**0.1932**	**0.1578**	**1.0400e-003**	**0.0591**	**1.9300e-003**	**0.0610**	**0.0163**	**1.8500e-003**	**0.0181**		**111.0941**	**111.0941**	**5.4500e-003**	**0.0126**	**114.9868**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0380	0.1646	2.3421	3.1100e-003		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003	0.0000	301.2390	301.2390	0.0974		303.6746
Total	**0.0380**	**0.1646**	**2.3421**	**3.1100e-003**		**5.0600e-003**	**5.0600e-003**		**5.0600e-003**	**5.0600e-003**	**0.0000**	**301.2390**	**301.2390**	**0.0974**		**303.6746**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6800e-003	8.6300e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	9.8300e-003	6.6600e-003	0.0917	2.8000e-004	0.0309	1.8000e-004	0.0311	8.2500e-003	1.7000e-004	8.4200e-003		28.1250	28.1250	7.1000e-004	7.1000e-004	28.3533
Total	**0.0164**	**0.1932**	**0.1578**	**1.0400e-003**	**0.0549**	**1.9300e-003**	**0.0568**	**0.0152**	**1.8500e-003**	**0.0171**		**111.0941**	**111.0941**	**5.4500e-003**	**0.0126**	**114.9868**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7064	0.0000	5.7064	0.8640	0.0000	0.8640			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.7064**	**0.0000**	**5.7064**	**0.8640**	**0.0000**	**0.8640**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1054	4.3149	1.1833	0.0159	0.4651	0.0315	0.4966	0.1274	0.0301	0.1575		1,803.3521	1,803.3521	0.1717	0.2888	1,893.7185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1054**	**4.3149**	**1.1833**	**0.0159**	**0.4651**	**0.0315**	**0.4966**	**0.1274**	**0.0301**	**0.1575**		**1,803.3521**	**1,803.3521**	**0.1717**	**0.2888**	**1,893.7185**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4395	0.0000	2.4395	0.3694	0.0000	0.3694			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.4395**	**0.0000**	**2.4395**	**0.3694**	**0.0000**	**0.3694**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1054	4.3149	1.1833	0.0159	0.4334	0.0315	0.4648	0.1196	0.0301	0.1497		1,803.3521	1,803.3521	0.1717	0.2888	1,893.7185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1054**	**4.3149**	**1.1833**	**0.0159**	**0.4334**	**0.0315**	**0.4648**	**0.1196**	**0.0301**	**0.1497**		**1,803.3521**	**1,803.3521**	**0.1717**	**0.2888**	**1,893.7185**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Asphalt Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0444	0.0000	4.0444	0.6124	0.0000	0.6124			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.0444**	**0.0000**	**4.0444**	**0.6124**	**0.0000**	**0.6124**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1074	4.3958	1.2055	0.0162	0.4738	0.0321	0.5059	0.1298	0.0307	0.1604		1,837.1650	1,837.1650	0.1749	0.2943	1,929.2257
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1074**	**4.3958**	**1.2055**	**0.0162**	**0.4738**	**0.0321**	**0.5059**	**0.1298**	**0.0307**	**0.1604**		**1,837.1650**	**1,837.1650**	**0.1749**	**0.2943**	**1,929.2257**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7290	0.0000	1.7290	0.2618	0.0000	0.2618			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.7290**	**0.0000**	**1.7290**	**0.2618**	**0.0000**	**0.2618**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1074	4.3958	1.2055	0.0162	0.4415	0.0321	0.4736	0.1218	0.0307	0.1525		1,837.1650	1,837.1650	0.1749	0.2943	1,929.2257
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1074**	**4.3958**	**1.2055**	**0.0162**	**0.4415**	**0.0321**	**0.4736**	**0.1218**	**0.0307**	**0.1525**		**1,837.1650**	**1,837.1650**	**0.1749**	**0.2943**	**1,929.2257**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.9659	101.3640	64.0828	0.1609		3.8122	3.8122		3.5072	3.5072		15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**8.9659**	**101.3640**	**64.0828**	**0.1609**	**10.6050**	**3.8122**	**14.4172**	**1.1451**	**3.5072**	**4.6523**		**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6800e-003	9.0400e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.1147	0.0777	1.0704	3.2500e-003	0.3912	2.1100e-003	0.3933	0.1038	1.9400e-003	0.1057		328.1253	328.1253	8.2900e-003	8.2400e-003	330.7889
Total	**0.1212**	**0.2642**	**1.1364**	**4.0100e-003**	**0.4168**	**3.8600e-003**	**0.4207**	**0.1111**	**3.6200e-003**	**0.1147**		**411.0944**	**411.0944**	**0.0130**	**0.0201**	**417.4223**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	1.9748	8.5576	74.3756	0.1609		0.2633	0.2633		0.2633	0.2633	0.0000	15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**1.9748**	**8.5576**	**74.3756**	**0.1609**	**4.5336**	**0.2633**	**4.7970**	**0.4895**	**0.2633**	**0.7528**	**0.0000**	**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6800e-003	8.6300e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.1147	0.0777	1.0704	3.2500e-003	0.3606	2.1100e-003	0.3627	0.0962	1.9400e-003	0.0982		328.1253	328.1253	8.2900e-003	8.2400e-003	330.7889
Total	**0.1212**	**0.2642**	**1.1364**	**4.0100e-003**	**0.3846**	**3.8600e-003**	**0.3884**	**0.1032**	**3.6200e-003**	**0.1068**		**411.0944**	**411.0944**	**0.0130**	**0.0201**	**417.4223**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.5191	92.7414	62.0147	0.1609		3.5061	3.5061		3.2256	3.2256		15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**8.5191**	**92.7414**	**62.0147**	**0.1609**	**10.6050**	**3.5061**	**14.1111**	**1.1451**	**3.2256**	**4.3707**		**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9000e-003	0.1464	0.0600	7.2000e-004	0.0256	7.2000e-004	0.0263	7.3600e-003	6.9000e-004	8.0500e-003		79.0959	79.0959	4.6800e-003	0.0114	82.5978
Worker	0.1077	0.0692	0.9957	3.1400e-003	0.3912	1.9900e-003	0.3932	0.1038	1.8400e-003	0.1056		317.7237	317.7237	7.5100e-003	7.6700e-003	320.1969
Total	**0.1116**	**0.2157**	**1.0557**	**3.8600e-003**	**0.4168**	**2.7100e-003**	**0.4195**	**0.1111**	**2.5300e-003**	**0.1136**		**396.8196**	**396.8196**	**0.0122**	**0.0190**	**402.7947**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	1.9748	8.5576	74.3756	0.1609		0.2633	0.2633		0.2633	0.2633	0.0000	15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**1.9748**	**8.5576**	**74.3756**	**0.1609**	**4.5336**	**0.2633**	**4.7970**	**0.4895**	**0.2633**	**0.7528**	**0.0000**	**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9000e-003	0.1464	0.0600	7.2000e-004	0.0239	7.2000e-004	0.0247	6.9600e-003	6.9000e-004	7.6500e-003		79.0959	79.0959	4.6800e-003	0.0114	82.5978
Worker	0.1077	0.0692	0.9957	3.1400e-003	0.3606	1.9900e-003	0.3626	0.0962	1.8400e-003	0.0981		317.7237	317.7237	7.5100e-003	7.6700e-003	320.1969
Total	**0.1116**	**0.2157**	**1.0557**	**3.8600e-003**	**0.3845**	**2.7100e-003**	**0.3873**	**0.1032**	**2.5300e-003**	**0.1057**		**396.8196**	**396.8196**	**0.0122**	**0.0190**	**402.7947**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation Soil Haul 2022 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1932	7.9111	2.1695	0.0292	0.8527	0.0577	0.9104	0.2335	0.0552	0.2887		3,306.3768	3,306.3768	0.3148	0.5296	3,472.0601
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1932**	**7.9111**	**2.1695**	**0.0292**	**0.8527**	**0.0577**	**0.9104**	**0.2335**	**0.0552**	**0.2887**		**3,306.3768**	**3,306.3768**	**0.3148**	**0.5296**	**3,472.0601**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1932	7.9111	2.1695	0.0292	0.7945	0.0577	0.8523	0.2192	0.0552	0.2745		3,306.3768	3,306.3768	0.3148	0.5296	3,472.0601
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1932**	**7.9111**	**2.1695**	**0.0292**	**0.7945**	**0.0577**	**0.8523**	**0.2192**	**0.0552**	**0.2745**		**3,306.3768**	**3,306.3768**	**0.3148**	**0.5296**	**3,472.0601**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Site Preparation Soil Haul 2023 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0959	6.0728	2.0187	0.0275	0.8524	0.0376	0.8900	0.2334	0.0360	0.2694		3,128.8713	3,128.8713	0.3150	0.5019	3,286.3195
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0959**	**6.0728**	**2.0187**	**0.0275**	**0.8524**	**0.0376**	**0.8900**	**0.2334**	**0.0360**	**0.2694**		**3,128.8713**	**3,128.8713**	**0.3150**	**0.5019**	**3,286.3195**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0959	6.0728	2.0187	0.0275	0.7943	0.0376	0.8319	0.2192	0.0360	0.2551		3,128.8713	3,128.8713	0.3150	0.5019	3,286.3195
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0959**	**6.0728**	**2.0187**	**0.0275**	**0.7943**	**0.0376**	**0.8319**	**0.2192**	**0.0360**	**0.2551**		**3,128.8713**	**3,128.8713**	**0.3150**	**0.5019**	**3,286.3195**

3.9 Retail and Residential Building A Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7168	6.6706	6.0084	0.0127		0.2793	0.2793		0.2608	0.2608		1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.7168**	**6.6706**	**6.0084**	**0.0127**		**0.2793**	**0.2793**		**0.2608**	**0.2608**		**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1092	4.1002	1.6794	0.0202	0.7162	0.0203	0.7364	0.2061	0.0194	0.2255		2,214.6856	2,214.6856	0.1312	0.3180	2,312.7380
Worker	0.8832	0.5677	8.1646	0.0258	3.2080	0.0164	3.2243	0.8508	0.0151	0.8658		2,605.3341	2,605.3341	0.0616	0.0629	2,625.6145
Total	**0.9924**	**4.6679**	**9.8440**	**0.0459**	**3.9241**	**0.0366**	**3.9608**	**1.0569**	**0.0344**	**1.0913**		**4,820.0197**	**4,820.0197**	**0.1928**	**0.3809**	**4,938.3524**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4107	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.3329**	**1.8463**	**6.4107**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1092	4.1002	1.6794	0.0202	0.6702	0.0203	0.6904	0.1948	0.0194	0.2142		2,214.6856	2,214.6856	0.1312	0.3180	2,312.7380
Worker	0.8832	0.5677	8.1646	0.0258	2.9570	0.0164	2.9733	0.7892	0.0151	0.8042		2,605.3341	2,605.3341	0.0616	0.0629	2,625.6145
Total	**0.9924**	**4.6679**	**9.8440**	**0.0459**	**3.6272**	**0.0366**	**3.6638**	**0.9840**	**0.0344**	**1.0184**		**4,820.0197**	**4,820.0197**	**0.1928**	**0.3809**	**4,938.3524**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7005	6.3874	5.8937	0.0127		0.2619	0.2619		0.2448	0.2448		1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.7005**	**6.3874**	**5.8937**	**0.0127**		**0.2619**	**0.2619**		**0.2448**	**0.2448**		**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1075	4.0885	1.6662	0.0198	0.7161	0.0212	0.7373	0.2061	0.0203	0.2264		2,180.4084	2,180.4084	0.1325	0.3144	2,277.4187
Worker	0.8328	0.5097	7.6057	0.0250	3.2080	0.0155	3.2235	0.8508	0.0143	0.8651		2,522.7998	2,522.7998	0.0559	0.0588	2,541.7199
Total	**0.9402**	**4.5982**	**9.2718**	**0.0448**	**3.9241**	**0.0367**	**3.9609**	**1.0569**	**0.0346**	**1.0915**		**4,703.2082**	**4,703.2082**	**0.1884**	**0.3732**	**4,819.1386**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4104	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.3329**	**1.8463**	**6.4104**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1075	4.0885	1.6662	0.0198	0.6702	0.0212	0.6914	0.1948	0.0203	0.2151		2,180.4084	2,180.4084	0.1325	0.3144	2,277.4187
Worker	0.8328	0.5097	7.6057	0.0250	2.9570	0.0155	2.9725	0.7892	0.0143	0.8035		2,522.7998	2,522.7998	0.0559	0.0588	2,541.7199
Total	**0.9402**	**4.5982**	**9.2718**	**0.0448**	**3.6271**	**0.0367**	**3.6639**	**0.9840**	**0.0346**	**1.0186**		**4,703.2082**	**4,703.2082**	**0.1884**	**0.3732**	**4,819.1386**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Retail and Residential Building A Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1058	4.0688	1.6586	0.0194	0.7161	0.0213	0.7374	0.2061	0.0204	0.2265		2,139.6584	2,139.6584	0.1342	0.3098	2,235.3448
Worker	0.7884	0.4616	7.1442	0.0241	3.2080	0.0148	3.2228	0.8508	0.0137	0.8644		2,437.1572	2,437.1572	0.0509	0.0553	2,454.9088
Total	**0.8942**	**4.5304**	**8.8028**	**0.0435**	**3.9241**	**0.0362**	**3.9603**	**1.0569**	**0.0340**	**1.0909**		**4,576.8156**	**4,576.8156**	**0.1851**	**0.3651**	**4,690.2535**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4104	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.3329**	**1.8463**	**6.4104**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1058	4.0688	1.6586	0.0194	0.6701	0.0213	0.6915	0.1948	0.0204	0.2152		2,139.6584	2,139.6584	0.1342	0.3098	2,235.3448
Worker	0.7884	0.4616	7.1442	0.0241	2.9570	0.0148	2.9718	0.7892	0.0137	0.8028		2,437.1572	2,437.1572	0.0509	0.0553	2,454.9088
Total	**0.8942**	**4.5304**	**8.8028**	**0.0435**	**3.6271**	**0.0362**	**3.6633**	**0.9840**	**0.0340**	**1.0180**		**4,576.8156**	**4,576.8156**	**0.1851**	**0.3651**	**4,690.2535**

3.10 Retail Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.3127					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**50.6961**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0646	0.0415	0.5974	1.8900e-003	0.2347	1.2000e-003	0.2359	0.0623	1.1000e-003	0.0634		190.6342	190.6342	4.5100e-003	4.6000e-003	192.1181
Total	**0.0646**	**0.0415**	**0.5974**	**1.8900e-003**	**0.2347**	**1.2000e-003**	**0.2359**	**0.0623**	**1.1000e-003**	**0.0634**		**190.6342**	**190.6342**	**4.5100e-003**	**4.6000e-003**	**192.1181**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.3127					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**50.3722**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0646	0.0415	0.5974	1.8900e-003	0.2164	1.2000e-003	0.2176	0.0577	1.1000e-003	0.0588		190.6342	190.6342	4.5100e-003	4.6000e-003	192.1181
Total	**0.0646**	**0.0415**	**0.5974**	**1.8900e-003**	**0.2164**	**1.2000e-003**	**0.2176**	**0.0577**	**1.1000e-003**	**0.0588**		**190.6342**	**190.6342**	**4.5100e-003**	**4.6000e-003**	**192.1181**

3.11 Finishing and Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4513	5.2891	2.1082	8.4200e-003		0.1715	0.1715		0.1578	0.1578		815.1913	815.1913	0.2637		821.7826
Total	**0.4513**	**5.2891**	**2.1082**	**8.4200e-003**		**0.1715**	**0.1715**		**0.1578**	**0.1578**		**815.1913**	**815.1913**	**0.2637**		**821.7826**

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7000e-003	5.3300e-003	0.0795	2.6000e-004	0.0335	1.6000e-004	0.0337	8.8900e-003	1.5000e-004	9.0400e-003		26.3707	26.3707	5.8000e-004	6.1000e-004	26.5685
Total	**8.7000e-003**	**5.3300e-003**	**0.0795**	**2.6000e-004**	**0.0335**	**1.6000e-004**	**0.0337**	**8.8900e-003**	**1.5000e-004**	**9.0400e-003**		**26.3707**	**26.3707**	**5.8000e-004**	**6.1000e-004**	**26.5685**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1033	0.4475	3.7862	8.4200e-003		0.0138	0.0138		0.0138	0.0138	0.0000	815.1913	815.1913	0.2637		821.7826
Total	**0.1033**	**0.4475**	**3.7862**	**8.4200e-003**		**0.0138**	**0.0138**		**0.0138**	**0.0138**	**0.0000**	**815.1913**	**815.1913**	**0.2637**		**821.7826**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7000e-003	5.3300e-003	0.0795	2.6000e-004	0.0309	1.6000e-004	0.0311	8.2500e-003	1.5000e-004	8.4000e-003		26.3707	26.3707	5.8000e-004	6.1000e-004	26.5685
Total	**8.7000e-003**	**5.3300e-003**	**0.0795**	**2.6000e-004**	**0.0309**	**1.6000e-004**	**0.0311**	**8.2500e-003**	**1.5000e-004**	**8.4000e-003**		**26.3707**	**26.3707**	**5.8000e-004**	**6.1000e-004**	**26.5685**

3.12 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4666	4.9575	5.6292	0.0128		0.2106	0.2106		0.1938	0.1938		1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.3390**	**4.9575**	**5.6292**	**0.0128**		**0.2106**	**0.2106**		**0.1938**	**0.1938**		**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0232	0.0142	0.2120	7.0000e-004	0.0894	4.3000e-004	0.0899	0.0237	4.0000e-004	0.0241		70.3220	70.3220	1.5600e-003	1.6400e-003	70.8493
Total	**0.0232**	**0.0142**	**0.2120**	**7.0000e-004**	**0.0894**	**4.3000e-004**	**0.0899**	**0.0237**	**4.0000e-004**	**0.0241**		**70.3220**	**70.3220**	**1.5600e-003**	**1.6400e-003**	**70.8493**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1561	0.6765	7.5384	0.0128		0.0208	0.0208		0.0208	0.0208	0.0000	1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0285**	**0.6765**	**7.5384**	**0.0128**		**0.0208**	**0.0208**		**0.0208**	**0.0208**	**0.0000**	**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0232	0.0142	0.2120	7.0000e-004	0.0824	4.3000e-004	0.0829	0.0220	4.0000e-004	0.0224		70.3220	70.3220	1.5600e-003	1.6400e-003	70.8493
Total	**0.0232**	**0.0142**	**0.2120**	**7.0000e-004**	**0.0824**	**4.3000e-004**	**0.0829**	**0.0220**	**4.0000e-004**	**0.0224**		**70.3220**	**70.3220**	**1.5600e-003**	**1.6400e-003**	**70.8493**

3.13 Residential Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	**41.7249**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**		**562.8961**	**562.8961**	**0.0307**		**563.6637**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0338	0.5228	1.7600e-003	0.2347	1.0900e-003	0.2358	0.0623	1.0000e-003	0.0633		178.3286	178.3286	3.7200e-003	4.0500e-003	179.6275
Total	**0.0577**	**0.0338**	**0.5228**	**1.7600e-003**	**0.2347**	**1.0900e-003**	**0.2358**	**0.0623**	**1.0000e-003**	**0.0633**		**178.3286**	**178.3286**	**3.7200e-003**	**4.0500e-003**	**179.6275**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
Total	**41.4426**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0307**		**563.6637**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 1) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0338	0.5228	1.7600e-003	0.2164	1.0900e-003	0.2175	0.0577	1.0000e-003	0.0587		178.3286	178.3286	3.7200e-003	4.0500e-003	179.6275
Total	**0.0577**	**0.0338**	**0.5228**	**1.7600e-003**	**0.2164**	**1.0900e-003**	**0.2175**	**0.0577**	**1.0000e-003**	**0.0587**		**178.3286**	**178.3286**	**3.7200e-003**	**4.0500e-003**	**179.6275**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	398.50	1000sqft	5.47	398,500.00	0
Other Asphalt Surfaces	192.00	1000sqft	4.41	192,000.00	0
Other Non-Asphalt Surfaces	206.53	1000sqft	2.86	206,533.70	0
Parking Lot	129.81	1000sqft	2.98	129,809.00	0
Apartments Mid Rise	670.00	Dwelling Unit	0.00	750,300.00	1115
Regional Shopping Center	119.42	1000sqft	0.80	119,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - structures are comprised of multiple stories

Construction Phase - based on information provided by applicant. see project description for construction durations

Off-road Equipment - based on information provided by the applicant

Off-road Equipment - no additional equipment required for asphalt demolition debris haul

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - based on information provided by applicant

Off-road Equipment - no additional equipment required for building demolition haul

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - no additional equipment required for site preparation soil haul

Off-road Equipment - no additional equipment required for site preparation soil haul

Trips and VMT - assumes 4 vt/water truck/day. Assumes that 2 dump trucks will be used for asphalt demo haul. Building Construction and Arch Coat are calculated based on CalEEMod Appendix A rates

Demolition -

Grading -

Architectural Coating - see assumptions file for calculations. Parking only accounts for parking area and driveways

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186, MM: Tier 4 (Final) Equipment >50hp

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	59,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	59,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	179,123.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	179,123.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,611.00	0.00

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblArchitecturalCoating	ConstArea_Parking	55,611.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,611.00	43,219.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	211,815.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	294,638.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	635,445.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	883,913.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	59708	123708
tblAreaCoating	Area_Nonresidential_Interior	179123	371123
tblAreaCoating	Area_Parking	55611	55400
tblAreaCoating	Area_Residential_Exterior	506453	294638
tblAreaCoating	Area_Residential_Interior	1519358	883913
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	55.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	300.00	565.00
tblConstructionPhase	NumDays	300.00	695.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	98.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	10.00	33.00
tblFireplaces	NumberGas	569.50	331.50
tblFireplaces	NumberNoFireplace	67.00	39.00
tblFireplaces	NumberWood	33.50	19.50
tblGrading	MaterialExported	0.00	25,416.00
tblGrading	MaterialExported	0.00	12,904.00
tblLandUse	LandUseSquareFeet	206,530.00	206,533.70
tblLandUse	LandUseSquareFeet	129,810.00	129,809.00
tblLandUse	LandUseSquareFeet	670,000.00	750,300.00

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LandUseSquareFeet	119,420.00	119,415.00
tblLandUse	LotAcreage	9.15	5.47
tblLandUse	LotAcreage	4.74	2.86
tblLandUse	LotAcreage	17.63	0.00
tblLandUse	LotAcreage	2.74	0.80
tblLandUse	Population	1,916.00	1,115.00
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	158.00	131.00
tblOffRoadEquipment	HorsePower	130.00	188.00
tblOffRoadEquipment	HorsePower	80.00	86.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	101.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	367.00	365.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblSolidWaste	SolidWasteGenerationRate	308.20	179.40
tblTripsAndVMT	HaulingTripNumber	158.00	160.00
tblTripsAndVMT	HaulingTripNumber	112.00	163.00
tblTripsAndVMT	HaulingTripNumber	3,177.00	3,178.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	243.00	51.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	243.00	91.00
tblWater	IndoorWaterUseRate	43,653,197.17	25,410,069.99
tblWater	OutdoorWaterUseRate	27,520,493.87	16,019,391.95
tblWoodstoves	NumberCatalytic	33.50	19.50
tblWoodstoves	NumberNoncatalytic	33.50	19.50

2.0 Emissions Summary

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.3826	4.1265	2.8144	8.1200e-003	0.6006	0.1481	0.7486	0.0744	0.1371	0.2115	0.0000	746.4398	746.4398	0.1800	0.0186	756.4668
2023	1.2218	3.1192	5.3222	0.0171	1.8480	0.1037	1.9516	0.4105	0.0962	0.5067	0.0000	1,563.6562	1,563.6562	0.1523	0.0584	1,584.8721
2024	0.4361	1.5597	4.2151	0.0144	1.3844	0.0454	1.4298	0.3694	0.0424	0.4117	0.0000	1,327.1412	1,327.1412	0.0790	0.0528	1,344.8530
2025	1.6886	1.1316	3.2185	0.0110	1.0959	0.0331	1.1289	0.2923	0.0311	0.3234	0.0000	1,015.7646	1,015.7646	0.0567	0.0390	1,028.8156
2026	0.3449	1.0913	3.3908	0.0115	1.2322	0.0348	1.2670	0.3281	0.0325	0.3606	0.0000	1,055.9214	1,055.9214	0.0606	0.0333	1,067.3657
2027	0.3625	1.1760	3.5631	0.0123	1.3456	0.0376	1.3833	0.3583	0.0352	0.3935	0.0000	1,125.3972	1,125.3972	0.0648	0.0352	1,137.5082
2028	1.0889	0.3590	1.0673	3.5500e-003	0.3901	0.0123	0.4024	0.1038	0.0117	0.1155	0.0000	324.0225	324.0225	0.0173	9.2800e-003	327.2199
Maximum	**1.6886**	**4.1265**	**5.3222**	**0.0171**	**1.8480**	**0.1481**	**1.9516**	**0.4105**	**0.1371**	**0.5067**	**0.0000**	**1,563.6562**	**1,563.6562**	**0.1800**	**0.0584**	**1,584.8721**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0963	0.6709	3.4435	8.1200e-003	0.2819	0.0135	0.2954	0.0388	0.0134	0.0521	0.0000	746.4391	746.4391	0.1800	0.0186	756.4661
2023	1.0601	1.0974	5.5750	0.0171	1.4476	0.0213	1.4689	0.3531	0.0207	0.3738	0.0000	1,563.6558	1,563.6558	0.1523	0.0584	1,584.8716
2024	0.3833	0.9009	4.3060	0.0144	1.2774	0.0174	1.2948	0.3431	0.0168	0.3599	0.0000	1,327.1411	1,327.1411	0.0790	0.0528	1,344.8528
2025	1.6464	0.6670	3.2858	0.0110	1.0111	0.0132	1.0243	0.2715	0.0127	0.2842	0.0000	1,015.7644	1,015.7644	0.0567	0.0390	1,028.8155
2026	0.3046	0.6041	3.4714	0.0115	1.1366	0.0143	1.1509	0.3046	0.0138	0.3184	0.0000	1,055.9213	1,055.9213	0.0606	0.0333	1,067.3655
2027	0.3185	0.6439	3.6511	0.0123	1.2412	0.0152	1.2565	0.3327	0.0148	0.3474	0.0000	1,125.3970	1,125.3970	0.0648	0.0352	1,137.5080
2028	1.0702	0.1705	1.0905	3.5500e-003	0.3598	4.1400e-003	0.3639	0.0964	4.0000e-003	0.1004	0.0000	324.0225	324.0225	0.0173	9.2800e-003	327.2198
Maximum	**1.6464**	**1.0974**	**5.5750**	**0.0171**	**1.4476**	**0.0213**	**1.4689**	**0.3531**	**0.0207**	**0.3738**	**0.0000**	**1,563.6558**	**1,563.6558**	**0.1800**	**0.0584**	**1,584.8716**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	11.69	62.15	-5.22	0.00	14.45	76.12	17.53	10.15	75.10	20.95	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2022	8-31-2022	0.7055	0.3260
2	9-1-2022	11-30-2022	2.9530	0.6638
3	12-1-2022	2-28-2023	3.4309	0.7834
4	3-1-2023	5-31-2023	0.4945	0.3234
5	6-1-2023	8-31-2023	0.4886	0.3175
6	9-1-2023	11-30-2023	0.9995	0.7854
7	12-1-2023	2-29-2024	0.7336	0.5488

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8	**3-1-2024**	**5-31-2024**	0.5585	0.3301
9	**6-1-2024**	**8-31-2024**	0.4678	0.3065
10	**9-1-2024**	**11-30-2024**	0.4740	0.3144
11	**12-1-2024**	**2-28-2025**	0.4573	0.3099
12	**3-1-2025**	**5-31-2025**	0.4475	0.3025
13	**6-1-2025**	**8-31-2025**	1.4326	1.2363
14	**9-1-2025**	**11-30-2025**	0.6235	0.5514
15	**12-1-2025**	**2-28-2026**	0.1220	0.0778
16	**3-1-2026**	**5-31-2026**	0.3916	0.2466
17	**6-1-2026**	**8-31-2026**	0.3870	0.2420
18	**9-1-2026**	**11-30-2026**	0.3919	0.2484
19	**12-1-2026**	**2-28-2027**	0.3871	0.2452
20	**3-1-2027**	**5-31-2027**	0.3843	0.2393
21	**6-1-2027**	**8-31-2027**	0.3798	0.2348
22	**9-1-2027**	**11-30-2027**	0.3845	0.2410
23	**12-1-2027**	**2-29-2028**	1.0250	0.8434
24	**3-1-2028**	**5-31-2028**	0.5619	0.4873
		Highest	3.4309	1.2363

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Demolition	Demolition	6/1/2022	9/30/2022	5	88	a
2	Asphalt Demolition	Demolition	7/1/2022	8/15/2022	5	32	c
3	Building Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	b
4	Asphalt Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	d
5	Site Preparation	Site Preparation	10/1/2022	2/15/2023	5	98	e
6	Site Preparation Soil Haul 2022	Site Preparation	10/1/2022	12/31/2022	5	65	f
7	Site Preparation Soil Haul 2023	Site Preparation	1/1/2023	2/15/2023	5	33	g
8	Retail and Residential Building A Building Construction	Building Construction	2/1/2023	9/30/2025	5	695	h
9	Retail Architectural Coating	Architectural Coating	10/15/2023	12/23/2023	5	50	i
10	Finishing and Landscaping	Trenching	4/1/2024	4/30/2024	5	22	l
11	Paving	Paving	4/1/2024	4/7/2024	5	5	k
12	Residential Building A Architectural Coating	Architectural Coating	7/1/2025	9/30/2025	5	66	j
13	Residential Building B Building Construction	Building Construction	2/1/2026	3/31/2028	5	565	m
14	Residential Building B Architectural Coating	Architectural Coating	1/15/2028	3/31/2028	5	55	n

Acres of Grading (Site Preparation Phase): 980

Acres of Grading (Grading Phase): 0

Acres of Paving: 15.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 179,123; Non-Residential Outdoor: 59,708; Striped Parking Area: 43,219

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OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Building Demolition	Excavators	2	8.00	131	0.38
Building Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Debris Haul	Excavators	0	8.00	158	0.38
Building Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38
Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Excavators	1	8.00	101	0.38
Site Preparation	Graders	4	8.00	238	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	8	8.00	365	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation Soil Haul 2022	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2022	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation Soil Haul 2023	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2023	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Retail and Residential Building A Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Retail and Residential Building A Building Construction	Cranes	1	8.00	300	0.29
Retail and Residential Building A Building Construction	Forklifts	0	8.00	89	0.20
Retail and Residential Building A Building Construction	Generator Sets	0	8.00	84	0.74
Retail and Residential Building A Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Retail and Residential Building A Building Construction	Welders	0	8.00	46	0.45
Retail Architectural Coating	Air Compressors	2	6.00	78	0.48
Residential Building A Architectural Coating	Air Compressors	2	6.00	78	0.48
Paving	Pavers	1	8.00	188	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	8.00	86	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Finishing and Landscaping	Graders	1	8.00	238	0.41
Residential Building B Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73
Residential Building B Building Construction	Cranes	1	8.00	300	0.29
Residential Building B Building Construction	Forklifts	0	8.00	89	0.20
Residential Building B Building Construction	Generator Sets	0	8.00	84	0.74
Residential Building B Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Residential Building B Building Construction	Welders	0	8.00	46	0.45
Residential Building B Architectural Coating	Air Compressors	2	6.00	78	0.48

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Demolition	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Debris Haul	0	0.00	0.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition Debris Haul	0	0.00	0.00	163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2022	0	0.00	0.00	3,178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2023	0	0.00	0.00	1,613.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail and Residential Building A Building	3	910.00	91.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building A Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing and Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building B Building Construction	3	910.00	51.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building B Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0760	0.4977	0.5620	1.5700e-003		0.0204	0.0204		0.0196	0.0196	0.0000	154.3428	154.3428	0.0190	0.0000	154.8182
Total	**0.0760**	**0.4977**	**0.5620**	**1.5700e-003**		**0.0204**	**0.0204**		**0.0196**	**0.0196**	**0.0000**	**154.3428**	**154.3428**	**0.0190**	**0.0000**	**154.8182**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	8.2700e-003	2.8500e-003	3.0000e-005	1.1100e-003	8.0000e-005	1.1900e-003	3.2000e-004	7.0000e-005	3.9000e-004	0.0000	3.3112	3.3112	1.9000e-004	4.7000e-004	3.4575
Worker	1.3300e-003	1.0000e-003	0.0138	4.0000e-005	4.8300e-003	3.0000e-005	4.8600e-003	1.2800e-003	2.0000e-005	1.3100e-003	0.0000	3.7930	3.7930	9.0000e-005	1.0000e-004	3.8238
Total	**1.6200e-003**	**9.2700e-003**	**0.0166**	**7.0000e-005**	**5.9400e-003**	**1.1000e-004**	**6.0500e-003**	**1.6000e-003**	**9.0000e-005**	**1.7000e-003**	**0.0000**	**7.1042**	**7.1042**	**2.8000e-004**	**5.7000e-004**	**7.2812**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0190	0.0824	0.8550	1.5700e-003		2.5400e-003	2.5400e-003		2.5400e-003	2.5400e-003	0.0000	154.3427	154.3427	0.0190	0.0000	154.8180
Total	**0.0190**	**0.0824**	**0.8550**	**1.5700e-003**		**2.5400e-003**	**2.5400e-003**		**2.5400e-003**	**2.5400e-003**	**0.0000**	**154.3427**	**154.3427**	**0.0190**	**0.0000**	**154.8180**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	8.2700e-003	2.8500e-003	3.0000e-005	1.0400e-003	8.0000e-005	1.1200e-003	3.0000e-004	7.0000e-005	3.8000e-004	0.0000	3.3112	3.3112	1.9000e-004	4.7000e-004	3.4575
Worker	1.3300e-003	1.0000e-003	0.0138	4.0000e-005	4.4500e-003	3.0000e-005	4.4800e-003	1.1900e-003	2.0000e-005	1.2100e-003	0.0000	3.7930	3.7930	9.0000e-005	1.0000e-004	3.8238
Total	**1.6200e-003**	**9.2700e-003**	**0.0166**	**7.0000e-005**	**5.4900e-003**	**1.1000e-004**	**5.6000e-003**	**1.4900e-003**	**9.0000e-005**	**1.5900e-003**	**0.0000**	**7.1042**	**7.1042**	**2.8000e-004**	**5.7000e-004**	**7.2812**

3.3 Asphalt Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6400e-003	0.0268	0.0358	5.0000e-005		1.4400e-003	1.4400e-003		1.3300e-003	1.3300e-003	0.0000	4.3725	4.3725	1.4100e-003	0.0000	4.4078
Total	**2.6400e-003**	**0.0268**	**0.0358**	**5.0000e-005**		**1.4400e-003**	**1.4400e-003**		**1.3300e-003**	**1.3300e-003**	**0.0000**	**4.3725**	**4.3725**	**1.4100e-003**	**0.0000**	**4.4078**

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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.0100e-003	1.0400e-003	1.0000e-005	4.0000e-004	3.0000e-005	4.3000e-004	1.2000e-004	3.0000e-005	1.4000e-004	0.0000	1.2041	1.2041	7.0000e-005	1.7000e-004	1.2573
Worker	1.4000e-004	1.1000e-004	1.5000e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4138	0.4138	1.0000e-005	1.0000e-005	0.4171
Total	**2.5000e-004**	**3.1200e-003**	**2.5400e-003**	**1.0000e-005**	**9.3000e-004**	**3.0000e-005**	**9.6000e-004**	**2.6000e-004**	**3.0000e-005**	**2.8000e-004**	**0.0000**	**1.6179**	**1.6179**	**8.0000e-005**	**1.8000e-004**	**1.6744**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.1000e-004	2.6300e-003	0.0375	5.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	4.3725	4.3725	1.4100e-003	0.0000	4.4078
Total	**6.1000e-004**	**2.6300e-003**	**0.0375**	**5.0000e-005**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**	**0.0000**	**4.3725**	**4.3725**	**1.4100e-003**	**0.0000**	**4.4078**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.0100e-003	1.0400e-003	1.0000e-005	3.8000e-004	3.0000e-005	4.1000e-004	1.1000e-004	3.0000e-005	1.4000e-004	0.0000	1.2041	1.2041	7.0000e-005	1.7000e-004	1.2573
Worker	1.4000e-004	1.1000e-004	1.5000e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4138	0.4138	1.0000e-005	1.0000e-005	0.4171
Total	**2.5000e-004**	**3.1200e-003**	**2.5400e-003**	**1.0000e-005**	**8.7000e-004**	**3.0000e-005**	**9.0000e-004**	**2.4000e-004**	**3.0000e-005**	**2.7000e-004**	**0.0000**	**1.6179**	**1.6179**	**8.0000e-005**	**1.8000e-004**	**1.6744**

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3.4 Building Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0171	0.0000	0.0171	2.5900e-003	0.0000	2.5900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0171**	**0.0000**	**0.0171**	**2.5900e-003**	**0.0000**	**2.5900e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2000e-004	0.0131	3.5200e-003	5.0000e-005	1.3700e-003	9.0000e-005	1.4700e-003	3.8000e-004	9.0000e-005	4.7000e-004	0.0000	4.9072	4.9072	4.7000e-004	7.9000e-004	5.1532
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2000e-004**	**0.0131**	**3.5200e-003**	**5.0000e-005**	**1.3700e-003**	**9.0000e-005**	**1.4700e-003**	**3.8000e-004**	**9.0000e-005**	**4.7000e-004**	**0.0000**	**4.9072**	**4.9072**	**4.7000e-004**	**7.9000e-004**	**5.1532**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.3200e-003	0.0000	7.3200e-003	1.1100e-003	0.0000	1.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**7.3200e-003**	**0.0000**	**7.3200e-003**	**1.1100e-003**	**0.0000**	**1.1100e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2000e-004	0.0131	3.5200e-003	5.0000e-005	1.2800e-003	9.0000e-005	1.3700e-003	3.5000e-004	9.0000e-005	4.4000e-004	0.0000	4.9072	4.9072	4.7000e-004	7.9000e-004	5.1532
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2000e-004**	**0.0131**	**3.5200e-003**	**5.0000e-005**	**1.2800e-003**	**9.0000e-005**	**1.3700e-003**	**3.5000e-004**	**9.0000e-005**	**4.4000e-004**	**0.0000**	**4.9072**	**4.9072**	**4.7000e-004**	**7.9000e-004**	**5.1532**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Asphalt Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0121	0.0000	0.0121	1.8400e-003	0.0000	1.8400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0121**	**0.0000**	**0.0121**	**1.8400e-003**	**0.0000**	**1.8400e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0134	3.5900e-003	5.0000e-005	1.4000e-003	1.0000e-004	1.5000e-003	3.8000e-004	9.0000e-005	4.8000e-004	0.0000	4.9993	4.9993	4.8000e-004	8.0000e-004	5.2498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0134**	**3.5900e-003**	**5.0000e-005**	**1.4000e-003**	**1.0000e-004**	**1.5000e-003**	**3.8000e-004**	**9.0000e-005**	**4.8000e-004**	**0.0000**	**4.9993**	**4.9993**	**4.8000e-004**	**8.0000e-004**	**5.2498**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.1900e-003	0.0000	5.1900e-003	7.9000e-004	0.0000	7.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.1900e-003**	**0.0000**	**5.1900e-003**	**7.9000e-004**	**0.0000**	**7.9000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0134	3.5900e-003	5.0000e-005	1.3000e-003	1.0000e-004	1.4000e-003	3.6000e-004	9.0000e-005	4.5000e-004	0.0000	4.9993	4.9993	4.8000e-004	8.0000e-004	5.2498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0134**	**3.5900e-003**	**5.0000e-005**	**1.3000e-003**	**1.0000e-004**	**1.4000e-003**	**3.6000e-004**	**9.0000e-005**	**4.5000e-004**	**0.0000**	**4.9993**	**4.9993**	**4.8000e-004**	**8.0000e-004**	**5.2498**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5197	0.0000	0.5197	0.0561	0.0000	0.0561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2914	3.2943	2.0827	5.2300e-003		0.1239	0.1239		0.1140	0.1140	0.0000	459.3743	459.3743	0.1486	0.0000	463.0886
Total	**0.2914**	**3.2943**	**2.0827**	**5.2300e-003**	**0.5197**	**0.1239**	**0.6436**	**0.0561**	**0.1140**	**0.1701**	**0.0000**	**459.3743**	**459.3743**	**0.1486**	**0.0000**	**463.0886**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	6.1100e-003	2.1000e-003	2.0000e-005	8.2000e-004	6.0000e-005	8.8000e-004	2.4000e-004	5.0000e-005	2.9000e-004	0.0000	2.4458	2.4458	1.4000e-004	3.5000e-004	2.5538
Worker	3.4300e-003	2.5800e-003	0.0356	1.1000e-004	0.0125	7.0000e-005	0.0126	3.3200e-003	6.0000e-005	3.3800e-003	0.0000	9.8057	9.8057	2.4000e-004	2.5000e-004	9.8853
Total	**3.6400e-003**	**8.6900e-003**	**0.0377**	**1.3000e-004**	**0.0133**	**1.3000e-004**	**0.0134**	**3.5600e-003**	**1.1000e-004**	**3.6700e-003**	**0.0000**	**12.2515**	**12.2515**	**3.8000e-004**	**6.0000e-004**	**12.4391**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2222	0.0000	0.2222	0.0240	0.0000	0.0240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0642	0.2781	2.4172	5.2300e-003		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	459.3737	459.3737	0.1486	0.0000	463.0880
Total	**0.0642**	**0.2781**	**2.4172**	**5.2300e-003**	**0.2222**	**8.5600e-003**	**0.2307**	**0.0240**	**8.5600e-003**	**0.0326**	**0.0000**	**459.3737**	**459.3737**	**0.1486**	**0.0000**	**463.0880**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	6.1100e-003	2.1000e-003	2.0000e-005	7.7000e-004	6.0000e-005	8.2000e-004	2.2000e-004	5.0000e-005	2.8000e-004	0.0000	2.4458	2.4458	1.4000e-004	3.5000e-004	2.5538
Worker	3.4300e-003	2.5800e-003	0.0356	1.1000e-004	0.0115	7.0000e-005	0.0116	3.0800e-003	6.0000e-005	3.1400e-003	0.0000	9.8057	9.8057	2.4000e-004	2.5000e-004	9.8853
Total	**3.6400e-003**	**8.6900e-003**	**0.0377**	**1.3000e-004**	**0.0123**	**1.3000e-004**	**0.0124**	**3.3000e-003**	**1.1000e-004**	**3.4200e-003**	**0.0000**	**12.2515**	**12.2515**	**3.8000e-004**	**6.0000e-004**	**12.4391**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5197	0.0000	0.5197	0.0561	0.0000	0.0561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1406	1.5302	1.0232	2.6500e-003		0.0579	0.0579		0.0532	0.0532	0.0000	233.1691	233.1691	0.0754	0.0000	235.0544
Total	**0.1406**	**1.5302**	**1.0232**	**2.6500e-003**	**0.5197**	**0.0579**	**0.5775**	**0.0561**	**0.0532**	**0.1093**	**0.0000**	**233.1691**	**233.1691**	**0.0754**	**0.0000**	**235.0544**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.4200e-003	9.7000e-004	1.0000e-005	4.2000e-004	1.0000e-005	4.3000e-004	1.2000e-004	1.0000e-005	1.3000e-004	0.0000	1.1829	1.1829	7.0000e-005	1.7000e-004	1.2353
Worker	1.6300e-003	1.1700e-003	0.0168	5.0000e-005	6.3400e-003	3.0000e-005	6.3700e-003	1.6800e-003	3.0000e-005	1.7100e-003	0.0000	4.8203	4.8203	1.1000e-004	1.2000e-004	4.8578
Total	**1.7000e-003**	**3.5900e-003**	**0.0178**	**6.0000e-005**	**6.7600e-003**	**4.0000e-005**	**6.8000e-003**	**1.8000e-003**	**4.0000e-005**	**1.8400e-003**	**0.0000**	**6.0032**	**6.0032**	**1.8000e-004**	**2.9000e-004**	**6.0931**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2222	0.0000	0.2222	0.0240	0.0000	0.0240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0326	0.1412	1.2272	2.6500e-003		4.3400e-003	4.3400e-003		4.3400e-003	4.3400e-003	0.0000	233.1689	233.1689	0.0754	0.0000	235.0542
Total	**0.0326**	**0.1412**	**1.2272**	**2.6500e-003**	**0.2222**	**4.3400e-003**	**0.2265**	**0.0240**	**4.3400e-003**	**0.0283**	**0.0000**	**233.1689**	**233.1689**	**0.0754**	**0.0000**	**235.0542**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.4200e-003	9.7000e-004	1.0000e-005	3.9000e-004	1.0000e-005	4.0000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.1829	1.1829	7.0000e-005	1.7000e-004	1.2353
Worker	1.6300e-003	1.1700e-003	0.0168	5.0000e-005	5.8500e-003	3.0000e-005	5.8800e-003	1.5600e-003	3.0000e-005	1.5900e-003	0.0000	4.8203	4.8203	1.1000e-004	1.2000e-004	4.8578
Total	**1.7000e-003**	**3.5900e-003**	**0.0178**	**6.0000e-005**	**6.2400e-003**	**4.0000e-005**	**6.2800e-003**	**1.6700e-003**	**4.0000e-005**	**1.7100e-003**	**0.0000**	**6.0032**	**6.0032**	**1.8000e-004**	**2.9000e-004**	**6.0931**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation Soil Haul 2022 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4400e-003	0.0000	1.4400e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.4400e-003**	**0.0000**	**1.4400e-003**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.3700e-003	0.2602	0.0699	9.5000e-004	0.0273	1.8700e-003	0.0292	7.4800e-003	1.7900e-003	9.2800e-003	0.0000	97.4701	97.4701	9.2900e-003	0.0156	102.3546
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.3700e-003**	**0.2602**	**0.0699**	**9.5000e-004**	**0.0273**	**1.8700e-003**	**0.0292**	**7.4800e-003**	**1.7900e-003**	**9.2800e-003**	**0.0000**	**97.4701**	**97.4701**	**9.2900e-003**	**0.0156**	**102.3546**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.1000e-004	0.0000	6.1000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**6.1000e-004**	**0.0000**	**6.1000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.3700e-003	0.2602	0.0699	9.5000e-004	0.0254	1.8700e-003	0.0273	7.0300e-003	1.7900e-003	8.8200e-003	0.0000	97.4701	97.4701	9.2900e-003	0.0156	102.3546
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.3700e-003**	**0.2602**	**0.0699**	**9.5000e-004**	**0.0254**	**1.8700e-003**	**0.0273**	**7.0300e-003**	**1.7900e-003**	**8.8200e-003**	**0.0000**	**97.4701**	**97.4701**	**9.2900e-003**	**0.0156**	**102.3546**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Site Preparation Soil Haul 2023 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.3000e-004	0.0000	7.3000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**7.3000e-004**	**0.0000**	**7.3000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6400e-003	0.1011	0.0331	4.5000e-004	0.0139	6.2000e-004	0.0145	3.8000e-003	5.9000e-004	4.3900e-003	0.0000	46.8101	46.8101	4.7200e-003	7.5100e-003	49.1658
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6400e-003**	**0.1011**	**0.0331**	**4.5000e-004**	**0.0139**	**6.2000e-004**	**0.0145**	**3.8000e-003**	**5.9000e-004**	**4.3900e-003**	**0.0000**	**46.8101**	**46.8101**	**4.7200e-003**	**7.5100e-003**	**49.1658**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Fugitive Dust					3.1000e-004	0.0000	3.1000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**3.1000e-004**	**0.0000**	**3.1000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6400e-003	0.1011	0.0331	4.5000e-004	0.0129	6.2000e-004	0.0135	3.5700e-003	5.9000e-004	4.1600e-003	0.0000	46.8101	46.8101	4.7200e-003	7.5100e-003	49.1658
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6400e-003**	**0.1011**	**0.0331**	**4.5000e-004**	**0.0129**	**6.2000e-004**	**0.0135**	**3.5700e-003**	**5.9000e-004**	**4.1600e-003**	**0.0000**	**46.8101**	**46.8101**	**4.7200e-003**	**7.5100e-003**	**49.1658**

3.9 Retail and Residential Building A Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0853	0.7938	0.7150	1.5100e-003		0.0332	0.0332		0.0310	0.0310	0.0000	128.9587	128.9587	0.0378	0.0000	129.9033
Total	**0.0853**	**0.7938**	**0.7150**	**1.5100e-003**		**0.0332**	**0.0332**		**0.0310**	**0.0310**	**0.0000**	**128.9587**	**128.9587**	**0.0378**	**0.0000**	**129.9033**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0107	0.3976	0.1597	1.9500e-003	0.0682	1.9500e-003	0.0702	0.0197	1.8700e-003	0.0216	0.0000	194.0926	194.0926	0.0115	0.0279	202.6863
Worker	0.3058	0.2186	3.1504	9.8600e-003	1.1888	6.1700e-003	1.1950	0.3157	5.6800e-003	0.3214	0.0000	903.8781	903.8781	0.0210	0.0218	910.9102
Total	**0.3165**	**0.6161**	**3.3101**	**0.0118**	**1.2570**	**8.1200e-003**	**1.2652**	**0.3354**	**7.5500e-003**	**0.3429**	**0.0000**	**1,097.9707**	**1,097.9707**	**0.0326**	**0.0497**	**1,113.5965**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0396	0.2197	0.7629	1.5100e-003		7.7400e-003	7.7400e-003		7.7400e-003	7.7400e-003	0.0000	128.9586	128.9586	0.0378	0.0000	129.9031
Total	**0.0396**	**0.2197**	**0.7629**	**1.5100e-003**		**7.7400e-003**	**7.7400e-003**		**7.7400e-003**	**7.7400e-003**	**0.0000**	**128.9586**	**128.9586**	**0.0378**	**0.0000**	**129.9031**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0107	0.3976	0.1597	1.9500e-003	0.0639	1.9500e-003	0.0658	0.0186	1.8700e-003	0.0205	0.0000	194.0926	194.0926	0.0115	0.0279	202.6863
Worker	0.3058	0.2186	3.1504	9.8600e-003	1.0960	6.1700e-003	1.1022	0.2929	5.6800e-003	0.2986	0.0000	903.8781	903.8781	0.0210	0.0218	910.9102
Total	**0.3165**	**0.6161**	**3.3101**	**0.0118**	**1.1599**	**8.1200e-003**	**1.1680**	**0.3115**	**7.5500e-003**	**0.3191**	**0.0000**	**1,097.9707**	**1,097.9707**	**0.0326**	**0.0497**	**1,113.5965**

3.9 Retail and Residential Building A Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0918	0.8368	0.7721	1.6600e-003		0.0343	0.0343		0.0321	0.0321	0.0000	141.9441	141.9441	0.0416	0.0000	142.9837
Total	**0.0918**	**0.8368**	**0.7721**	**1.6600e-003**		**0.0343**	**0.0343**		**0.0321**	**0.0321**	**0.0000**	**141.9441**	**141.9441**	**0.0416**	**0.0000**	**142.9837**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0117	0.4363	0.1744	2.1100e-003	0.0751	2.2500e-003	0.0774	0.0217	2.1500e-003	0.0238	0.0000	210.3536	210.3536	0.0128	0.0303	219.7131
Worker	0.3167	0.2160	3.2299	0.0105	1.3087	6.4500e-003	1.3151	0.3475	5.9400e-003	0.3535	0.0000	963.4818	963.4818	0.0210	0.0225	970.7027
Total	**0.3284**	**0.6523**	**3.4043**	**0.0126**	**1.3838**	**8.7000e-003**	**1.3925**	**0.3692**	**8.0900e-003**	**0.3773**	**0.0000**	**1,173.8353**	**1,173.8353**	**0.0338**	**0.0528**	**1,190.4158**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0436	0.2419	0.8398	1.6600e-003		8.5200e-003	8.5200e-003		8.5200e-003	8.5200e-003	0.0000	141.9439	141.9439	0.0416	0.0000	142.9835
Total	**0.0436**	**0.2419**	**0.8398**	**1.6600e-003**		**8.5200e-003**	**8.5200e-003**		**8.5200e-003**	**8.5200e-003**	**0.0000**	**141.9439**	**141.9439**	**0.0416**	**0.0000**	**142.9835**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0117	0.4363	0.1744	2.1100e-003	0.0703	2.2500e-003	0.0726	0.0205	2.1500e-003	0.0226	0.0000	210.3536	210.3536	0.0128	0.0303	219.7131
Worker	0.3167	0.2160	3.2299	0.0105	1.2066	6.4500e-003	1.2130	0.3225	5.9400e-003	0.3284	0.0000	963.4818	963.4818	0.0210	0.0225	970.7027
Total	**0.3284**	**0.6523**	**3.4043**	**0.0126**	**1.2769**	**8.7000e-003**	**1.2856**	**0.3430**	**8.0900e-003**	**0.3511**	**0.0000**	**1,173.8353**	**1,173.8353**	**0.0338**	**0.0528**	**1,190.4158**

3.9 Retail and Residential Building A Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0653	0.5775	0.5593	1.2400e-003		0.0231	0.0231		0.0216	0.0216	0.0000	105.6575	105.6575	0.0310	0.0000	106.4314
Total	**0.0653**	**0.5775**	**0.5593**	**1.2400e-003**		**0.0231**	**0.0231**		**0.0216**	**0.0216**	**0.0000**	**105.6575**	**105.6575**	**0.0310**	**0.0000**	**106.4314**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.5400e-003	0.3232	0.1293	1.5400e-003	0.0559	1.6800e-003	0.0576	0.0161	1.6100e-003	0.0177	0.0000	153.6320	153.6320	9.6600e-003	0.0223	160.5028
Worker	0.2227	0.1455	2.2578	7.5500e-003	0.9740	4.5900e-003	0.9786	0.2587	4.2200e-003	0.2629	0.0000	692.7311	692.7311	0.0142	0.0157	697.7731
Total	**0.2313**	**0.4687**	**2.3870**	**9.0900e-003**	**1.0299**	**6.2700e-003**	**1.0362**	**0.2748**	**5.8300e-003**	**0.2806**	**0.0000**	**846.3630**	**846.3630**	**0.0239**	**0.0380**	**858.2759**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0325	0.1800	0.6250	1.2400e-003		6.3400e-003	6.3400e-003		6.3400e-003	6.3400e-003	0.0000	105.6574	105.6574	0.0310	0.0000	106.4312
Total	**0.0325**	**0.1800**	**0.6250**	**1.2400e-003**		**6.3400e-003**	**6.3400e-003**		**6.3400e-003**	**6.3400e-003**	**0.0000**	**105.6574**	**105.6574**	**0.0310**	**0.0000**	**106.4312**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.5400e-003	0.3232	0.1293	1.5400e-003	0.0523	1.6800e-003	0.0540	0.0153	1.6100e-003	0.0169	0.0000	153.6320	153.6320	9.6600e-003	0.0223	160.5028
Worker	0.2227	0.1455	2.2578	7.5500e-003	0.8980	4.5900e-003	0.9026	0.2400	4.2200e-003	0.2442	0.0000	692.7311	692.7311	0.0142	0.0157	697.7731
Total	**0.2313**	**0.4687**	**2.3870**	**9.0900e-003**	**0.9504**	**6.2700e-003**	**0.9566**	**0.2553**	**5.8300e-003**	**0.2611**	**0.0000**	**846.3630**	**846.3630**	**0.0239**	**0.0380**	**858.2759**

3.10 Retail Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6537					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5800e-003	0.0652	0.0906	1.5000e-004		3.5400e-003	3.5400e-003		3.5400e-003	3.5400e-003	0.0000	12.7663	12.7663	7.6000e-004	0.0000	12.7854
Total	**0.6632**	**0.0652**	**0.0906**	**1.5000e-004**		**3.5400e-003**	**3.5400e-003**		**3.5400e-003**	**3.5400e-003**	**0.0000**	**12.7663**	**12.7663**	**7.6000e-004**	**0.0000**	**12.7854**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0129	9.1800e-003	0.1324	4.1000e-004	0.0500	2.6000e-004	0.0502	0.0133	2.4000e-004	0.0135	0.0000	37.9781	37.9781	8.8000e-004	9.2000e-004	38.2735
Total	**0.0129**	**9.1800e-003**	**0.1324**	**4.1000e-004**	**0.0500**	**2.6000e-004**	**0.0502**	**0.0133**	**2.4000e-004**	**0.0135**	**0.0000**	**37.9781**	**37.9781**	**8.8000e-004**	**9.2000e-004**	**38.2735**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6537					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4900e-003	6.4400e-003	0.0916	1.5000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	12.7663	12.7663	7.6000e-004	0.0000	12.7854
Total	**0.6551**	**6.4400e-003**	**0.0916**	**1.5000e-004**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**	**0.0000**	**12.7663**	**12.7663**	**7.6000e-004**	**0.0000**	**12.7854**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0129	9.1800e-003	0.1324	4.1000e-004	0.0461	2.6000e-004	0.0463	0.0123	2.4000e-004	0.0126	0.0000	37.9781	37.9781	8.8000e-004	9.2000e-004	38.2735
Total	**0.0129**	**9.1800e-003**	**0.1324**	**4.1000e-004**	**0.0461**	**2.6000e-004**	**0.0463**	**0.0123**	**2.4000e-004**	**0.0126**	**0.0000**	**37.9781**	**37.9781**	**8.8000e-004**	**9.2000e-004**	**38.2735**

3.11 Finishing and Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9600e-003	0.0582	0.0232	9.0000e-005		1.8900e-003	1.8900e-003		1.7400e-003	1.7400e-003	0.0000	8.1348	8.1348	2.6300e-003	0.0000	8.2006
Total	**4.9600e-003**	**0.0582**	**0.0232**	**9.0000e-005**		**1.8900e-003**	**1.8900e-003**		**1.7400e-003**	**1.7400e-003**	**0.0000**	**8.1348**	**8.1348**	**2.6300e-003**	**0.0000**	**8.2006**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	6.0000e-005	8.9000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2667	0.2667	1.0000e-005	1.0000e-005	0.2687
Total	**9.0000e-005**	**6.0000e-005**	**8.9000e-004**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2667**	**0.2667**	**1.0000e-005**	**1.0000e-005**	**0.2687**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1400e-003	4.9200e-003	0.0417	9.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	8.1348	8.1348	2.6300e-003	0.0000	8.2006
Total	**1.1400e-003**	**4.9200e-003**	**0.0417**	**9.0000e-005**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**	**0.0000**	**8.1348**	**8.1348**	**2.6300e-003**	**0.0000**	**8.2006**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	6.0000e-005	8.9000e-004	0.0000	3.3000e-004	0.0000	3.4000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2667	0.2667	1.0000e-005	1.0000e-005	0.2687
Total	**9.0000e-005**	**6.0000e-005**	**8.9000e-004**	**0.0000**	**3.3000e-004**	**0.0000**	**3.4000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2667**	**0.2667**	**1.0000e-005**	**1.0000e-005**	**0.2687**

3.12 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1700e-003	0.0124	0.0141	3.0000e-005		5.3000e-004	5.3000e-004		4.8000e-004	4.8000e-004	0.0000	2.7987	2.7987	9.1000e-004	0.0000	2.8213
Paving	9.6800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.0124**	**0.0141**	**3.0000e-005**		**5.3000e-004**	**5.3000e-004**		**4.8000e-004**	**4.8000e-004**	**0.0000**	**2.7987**	**2.7987**	**9.1000e-004**	**0.0000**	**2.8213**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1616	0.1616	0.0000	0.0000	0.1629
Total	**5.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1616**	**0.1616**	**0.0000**	**0.0000**	**0.1629**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9000e-004	1.6900e-003	0.0189	3.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	2.7987	2.7987	9.1000e-004	0.0000	2.8213
Paving	9.6800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**1.6900e-003**	**0.0189**	**3.0000e-005**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**2.7987**	**2.7987**	**9.1000e-004**	**0.0000**	**2.8213**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1616	0.1616	0.0000	0.0000	0.1629
Total	**5.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1616**	**0.1616**	**0.0000**	**0.0000**	**0.1629**

3.13 Residential Building A Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3657					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0113	0.0756	0.1194	2.0000e-004		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	16.8515	16.8515	9.2000e-004	0.0000	16.8745
Total	**1.3769**	**0.0756**	**0.1194**	**2.0000e-004**		**3.4000e-003**	**3.4000e-003**		**3.4000e-003**	**3.4000e-003**	**0.0000**	**16.8515**	**16.8515**	**9.2000e-004**	**0.0000**	**16.8745**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0151	9.8500e-003	0.1528	5.1000e-004	0.0659	3.1000e-004	0.0662	0.0175	2.9000e-004	0.0178	0.0000	46.8926	46.8926	9.6000e-004	1.0600e-003	47.2339
Total	**0.0151**	**9.8500e-003**	**0.1528**	**5.1000e-004**	**0.0659**	**3.1000e-004**	**0.0662**	**0.0175**	**2.9000e-004**	**0.0178**	**0.0000**	**46.8926**	**46.8926**	**9.6000e-004**	**1.0600e-003**	**47.2339**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3657					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9600e-003	8.5000e-003	0.1209	2.0000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	16.8515	16.8515	9.2000e-004	0.0000	16.8744
Total	**1.3676**	**8.5000e-003**	**0.1209**	**2.0000e-004**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**16.8515**	**16.8515**	**9.2000e-004**	**0.0000**	**16.8744**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0151	9.8500e-003	0.1528	5.1000e-004	0.0608	3.1000e-004	0.0611	0.0163	2.9000e-004	0.0165	0.0000	46.8926	46.8926	9.6000e-004	1.0600e-003	47.2339
Total	**0.0151**	**9.8500e-003**	**0.1528**	**5.1000e-004**	**0.0608**	**3.1000e-004**	**0.0611**	**0.0163**	**2.9000e-004**	**0.0165**	**0.0000**	**46.8926**	**46.8926**	**9.6000e-004**	**1.0600e-003**	**47.2339**

3.14 Residential Building B Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0801	0.7079	0.6854	1.5100e-003		0.0283	0.0283		0.0265	0.0265	0.0000	129.4981	129.4981	0.0379	0.0000	130.4467
Total	**0.0801**	**0.7079**	**0.6854**	**1.5100e-003**		**0.0283**	**0.0283**		**0.0265**	**0.0265**	**0.0000**	**129.4981**	**129.4981**	**0.0379**	**0.0000**	**130.4467**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7800e-003	0.2204	0.0885	1.0300e-003	0.0384	1.1600e-003	0.0396	0.0111	1.1000e-003	0.0122	0.0000	103.5085	103.5085	6.7100e-003	0.0151	108.1601
Worker	0.2591	0.1631	2.6169	8.9700e-003	1.1938	5.3500e-003	1.1992	0.3170	4.9200e-003	0.3220	0.0000	822.9148	822.9148	0.0160	0.0183	828.7589
Total	**0.2648**	**0.3835**	**2.7054**	**0.0100**	**1.2322**	**6.5100e-003**	**1.2387**	**0.3281**	**6.0200e-003**	**0.3341**	**0.0000**	**926.4233**	**926.4233**	**0.0227**	**0.0333**	**936.9190**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0398	0.2206	0.7660	1.5100e-003		7.7700e-003	7.7700e-003		7.7700e-003	7.7700e-003	0.0000	129.4980	129.4980	0.0379	0.0000	130.4465
Total	**0.0398**	**0.2206**	**0.7660**	**1.5100e-003**		**7.7700e-003**	**7.7700e-003**		**7.7700e-003**	**7.7700e-003**	**0.0000**	**129.4980**	**129.4980**	**0.0379**	**0.0000**	**130.4465**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7800e-003	0.2204	0.0885	1.0300e-003	0.0360	1.1600e-003	0.0371	0.0105	1.1000e-003	0.0116	0.0000	103.5085	103.5085	6.7100e-003	0.0151	108.1601
Worker	0.2591	0.1631	2.6169	8.9700e-003	1.1007	5.3500e-003	1.1060	0.2942	4.9200e-003	0.2991	0.0000	822.9148	822.9148	0.0160	0.0183	828.7589
Total	**0.2648**	**0.3835**	**2.7054**	**0.0100**	**1.1366**	**6.5100e-003**	**1.1431**	**0.3046**	**6.0200e-003**	**0.3107**	**0.0000**	**926.4233**	**926.4233**	**0.0227**	**0.0333**	**936.9190**

3.14 Residential Building B Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0875	0.7730	0.7485	1.6500e-003		0.0309	0.0309		0.0289	0.0289	0.0000	141.4185	141.4185	0.0414	0.0000	142.4543
Total	**0.0875**	**0.7730**	**0.7485**	**1.6500e-003**		**0.0309**	**0.0309**		**0.0289**	**0.0289**	**0.0000**	**141.4185**	**141.4185**	**0.0414**	**0.0000**	**142.4543**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2200e-003	0.2389	0.0963	1.1000e-003	0.0419	1.2600e-003	0.0432	0.0121	1.2000e-003	0.0133	0.0000	110.7247	110.7247	7.3800e-003	0.0162	115.7240
Worker	0.2688	0.1641	2.7183	9.5200e-003	1.3037	5.5000e-003	1.3092	0.3462	5.0600e-003	0.3513	0.0000	873.2541	873.2541	0.0160	0.0191	879.3298
Total	**0.2750**	**0.4030**	**2.8146**	**0.0106**	**1.3456**	**6.7600e-003**	**1.3524**	**0.3583**	**6.2600e-003**	**0.3646**	**0.0000**	**983.9787**	**983.9787**	**0.0234**	**0.0352**	**995.0539**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0434	0.2410	0.8366	1.6500e-003		8.4800e-003	8.4800e-003		8.4800e-003	8.4800e-003	0.0000	141.4183	141.4183	0.0414	0.0000	142.4541
Total	**0.0434**	**0.2410**	**0.8366**	**1.6500e-003**		**8.4800e-003**	**8.4800e-003**		**8.4800e-003**	**8.4800e-003**	**0.0000**	**141.4183**	**141.4183**	**0.0414**	**0.0000**	**142.4541**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2200e-003	0.2389	0.0963	1.1000e-003	0.0393	1.2600e-003	0.0405	0.0114	1.2000e-003	0.0126	0.0000	110.7247	110.7247	7.3800e-003	0.0162	115.7240
Worker	0.2688	0.1641	2.7183	9.5200e-003	1.2020	5.5000e-003	1.2075	0.3212	5.0600e-003	0.3263	0.0000	873.2541	873.2541	0.0160	0.0191	879.3298
Total	**0.2750**	**0.4030**	**2.8146**	**0.0106**	**1.2412**	**6.7600e-003**	**1.2480**	**0.3327**	**6.2600e-003**	**0.3389**	**0.0000**	**983.9787**	**983.9787**	**0.0234**	**0.0352**	**995.0539**

3.14 Residential Building B Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0218	0.1925	0.1864	4.1000e-004		7.6900e-003	7.6900e-003		7.2000e-003	7.2000e-003	0.0000	35.2192	35.2192	0.0103	0.0000	35.4771
Total	**0.0218**	**0.1925**	**0.1864**	**4.1000e-004**		**7.6900e-003**	**7.6900e-003**		**7.2000e-003**	**7.2000e-003**	**0.0000**	**35.2192**	**35.2192**	**0.0103**	**0.0000**	**35.4771**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0591	0.0240	2.7000e-004	0.0104	3.1000e-004	0.0108	3.0100e-003	3.0000e-004	3.3100e-003	0.0000	27.0253	27.0253	1.8600e-003	3.9600e-003	28.2510
Worker	0.0637	0.0380	0.6478	2.3100e-003	0.3247	1.2800e-003	0.3260	0.0862	1.1800e-003	0.0874	0.0000	211.8787	211.8787	3.6900e-003	4.5500e-003	213.3280
Total	**0.0652**	**0.0970**	**0.6718**	**2.5800e-003**	**0.3351**	**1.5900e-003**	**0.3367**	**0.0892**	**1.4800e-003**	**0.0907**	**0.0000**	**238.9041**	**238.9041**	**5.5500e-003**	**8.5100e-003**	**241.5790**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0108	0.0600	0.2083	4.1000e-004		2.1100e-003	2.1100e-003		2.1100e-003	2.1100e-003	0.0000	35.2191	35.2191	0.0103	0.0000	35.4771
Total	**0.0108**	**0.0600**	**0.2083**	**4.1000e-004**		**2.1100e-003**	**2.1100e-003**		**2.1100e-003**	**2.1100e-003**	**0.0000**	**35.2191**	**35.2191**	**0.0103**	**0.0000**	**35.4771**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0591	0.0240	2.7000e-004	9.7800e-003	3.1000e-004	0.0101	2.8500e-003	3.0000e-004	3.1500e-003	0.0000	27.0253	27.0253	1.8600e-003	3.9600e-003	28.2510
Worker	0.0637	0.0380	0.6478	2.3100e-003	0.2993	1.2800e-003	0.3006	0.0800	1.1800e-003	0.0812	0.0000	211.8787	211.8787	3.6900e-003	4.5500e-003	213.3280
Total	**0.0652**	**0.0970**	**0.6718**	**2.5800e-003**	**0.3091**	**1.5900e-003**	**0.3107**	**0.0829**	**1.4800e-003**	**0.0843**	**0.0000**	**238.9041**	**238.9041**	**5.5500e-003**	**8.5100e-003**	**241.5790**

3.15 Residential Building B Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9818					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4000e-003	0.0630	0.0995	1.6000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	14.0429	14.0429	7.7000e-004	0.0000	14.0621
Total	**0.9912**	**0.0630**	**0.0995**	**1.6000e-004**		**2.8300e-003**	**2.8300e-003**		**2.8300e-003**	**2.8300e-003**	**0.0000**	**14.0429**	**14.0429**	**7.7000e-004**	**0.0000**	**14.0621**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0108	6.4200e-003	0.1096	3.9000e-004	0.0549	2.2000e-004	0.0552	0.0146	2.0000e-004	0.0148	0.0000	35.8564	35.8564	6.2000e-004	7.7000e-004	36.1017
Total	**0.0108**	**6.4200e-003**	**0.1096**	**3.9000e-004**	**0.0549**	**2.2000e-004**	**0.0552**	**0.0146**	**2.0000e-004**	**0.0148**	**0.0000**	**35.8564**	**35.8564**	**6.2000e-004**	**7.7000e-004**	**36.1017**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9818					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	7.0800e-003	0.1008	1.6000e-004		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	14.0429	14.0429	7.7000e-004	0.0000	14.0620
Total	**0.9834**	**7.0800e-003**	**0.1008**	**1.6000e-004**		**2.2000e-004**	**2.2000e-004**		**2.2000e-004**	**2.2000e-004**	**0.0000**	**14.0429**	**14.0429**	**7.7000e-004**	**0.0000**	**14.0620**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0108	6.4200e-003	0.1096	3.9000e-004	0.0507	2.2000e-004	0.0509	0.0135	2.0000e-004	0.0137	0.0000	35.8564	35.8564	6.2000e-004	7.7000e-004	36.1017
Total	**0.0108**	**6.4200e-003**	**0.1096**	**3.9000e-004**	**0.0507**	**2.2000e-004**	**0.0509**	**0.0135**	**2.0000e-004**	**0.0137**	**0.0000**	**35.8564**	**35.8564**	**6.2000e-004**	**7.7000e-004**	**36.1017**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	398.50	1000sqft	5.47	398,500.00	0
Other Asphalt Surfaces	192.00	1000sqft	4.41	192,000.00	0
Other Non-Asphalt Surfaces	206.53	1000sqft	2.86	206,533.70	0
Parking Lot	129.81	1000sqft	2.98	129,809.00	0
Apartments Mid Rise	670.00	Dwelling Unit	0.00	750,300.00	1115
Regional Shopping Center	119.42	1000sqft	0.80	119,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - structures are comprised of multiple stories

Construction Phase - based on information provided by applicant. see project description for construction durations

Off-road Equipment - based on information provided by the applicant

Off-road Equipment - no additional equipment required for asphalt demolition debris haul

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - based on information provided by applicant

Off-road Equipment - no additional equipment required for building demolition haul

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - no additional equipment required for site preparation soil haul

Off-road Equipment - no additional equipment required for site preparation soil haul

Trips and VMT - assumes 4 vt/water truck/day. Assumes that 2 dump trucks will be used for asphalt demo haul. Building Construction and Arch Coat are calculated based on CalEEMod Appendix A rates.

Demolition -

Grading -

Architectural Coating - see assumptions file for calculations. Parking only accounts for parking area and driveways

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186, MM: Tier 4 (Final) Equipment >50hp

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	59,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	59,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	179,123.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	179,123.00	0.00

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblArchitecturalCoating	ConstArea_Parking	55,611.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,611.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,611.00	43,219.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	211,815.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	294,638.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	635,445.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	883,913.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	59708	123708
tblAreaCoating	Area_Nonresidential_Interior	179123	371123
tblAreaCoating	Area_Parking	55611	55400
tblAreaCoating	Area_Residential_Exterior	506453	294638
tblAreaCoating	Area_Residential_Interior	1519358	883913
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	55.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	300.00	565.00
tblConstructionPhase	NumDays	300.00	695.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	98.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	10.00	33.00
tblFireplaces	NumberGas	569.50	331.50
tblFireplaces	NumberNoFireplace	67.00	39.00
tblFireplaces	NumberWood	33.50	19.50
tblGrading	MaterialExported	0.00	25,416.00
tblGrading	MaterialExported	0.00	12,904.00
tblLandUse	LandUseSquareFeet	206,530.00	206,533.70
tblLandUse	LandUseSquareFeet	129,810.00	129,809.00

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LandUseSquareFeet	670,000.00	750,300.00
tblLandUse	LandUseSquareFeet	119,420.00	119,415.00
tblLandUse	LotAcreage	9.15	5.47
tblLandUse	LotAcreage	4.74	2.86
tblLandUse	LotAcreage	17.63	0.00
tblLandUse	LotAcreage	2.74	0.80
tblLandUse	Population	1,916.00	1,115.00
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	158.00	131.00
tblOffRoadEquipment	HorsePower	130.00	188.00
tblOffRoadEquipment	HorsePower	80.00	86.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	101.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	367.00	365.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblSolidWaste	SolidWasteGenerationRate	308.20	179.40
tblTripsAndVMT	HaulingTripNumber	158.00	160.00
tblTripsAndVMT	HaulingTripNumber	112.00	163.00
tblTripsAndVMT	HaulingTripNumber	3,177.00	3,178.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	243.00	51.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	243.00	91.00
tblWater	IndoorWaterUseRate	43,653,197.17	25,410,069.99
tblWater	OutdoorWaterUseRate	27,520,493.87	16,019,391.95
tblWoodstoves	NumberCatalytic	33.50	19.50
tblWoodstoves	NumberNoncatalytic	33.50	19.50

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.2759	109.2263	67.4349	0.1943	11.9187	3.8737	15.7924	1.7867	3.5659	5.0624	0.0000	19,313.9056	19,313.9056	5.3671	0.6096	19,611.7042
2023	30.4131	110.2688	100.2587	0.3072	22.6720	3.8939	26.5658	4.3614	3.5882	7.9496	0.0000	30,782.9144	30,782.9144	6.0129	0.9652	31,220.8781
2024	8.0184	21.3038	41.1145	0.1340	10.8765	0.7110	11.5875	2.8976	0.6586	3.5562	0.0000	13,514.1301	13,514.1301	1.2956	0.4323	13,675.3441
2025	45.2117	12.9787	39.7895	0.1307	12.7878	0.4134	13.2012	3.4045	0.3930	3.7976	0.0000	13,230.1020	13,230.1020	0.6785	0.4491	13,380.8824
2026	2.8741	8.9040	29.4132	0.0991	10.4977	0.2911	10.7888	2.7914	0.2720	3.0634	0.0000	10,012.6628	10,012.6628	0.5554	0.2950	10,114.4563
2027	2.7644	8.7956	28.2848	0.0967	10.4977	0.2884	10.7862	2.7914	0.2695	3.0609	0.0000	9,770.5002	9,770.5002	0.5441	0.2856	9,869.2107
2028	39.0932	11.2038	35.1338	0.1153	12.5321	0.3964	12.9285	3.3309	0.3771	3.7081	0.0000	11,606.7789	11,606.7789	0.5898	0.3061	11,712.7408
Maximum	**45.2117**	**110.2688**	**100.2587**	**0.3072**	**22.6720**	**3.8939**	**26.5658**	**4.3614**	**3.5882**	**7.9496**	**0.0000**	**30,782.9144**	**30,782.9144**	**6.0129**	**0.9652**	**31,220.8781**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.2848	16.4199	77.7277	0.1943	5.7316	0.3248	6.0564	0.9222	0.3220	1.1369	0.0000	19,313.9056	19,313.9056	5.3671	0.6096	19,611.7042
2023	29.7053	21.2607	113.0219	0.3072	15.6517	0.4368	16.0884	3.4753	0.4301	3.9054	0.0000	30,782.9143	30,782.9143	6.0129	0.9652	31,220.8781
2024	6.9923	7.6401	45.2185	0.1340	10.0336	0.1666	10.2002	2.6908	0.1619	2.8526	0.0000	13,514.1301	13,514.1301	1.2956	0.4323	13,675.3441
2025	44.5922	6.8681	40.5106	0.1307	11.7954	0.1466	11.9421	3.1610	0.1414	3.3024	0.0000	13,230.1020	13,230.1020	0.6785	0.4491	13,380.8824
2026	2.5369	4.8269	30.0877	0.0991	9.6809	0.1194	9.8004	2.5909	0.1154	2.7064	0.0000	10,012.6628	10,012.6628	0.5554	0.2950	10,114.4563
2027	2.4272	4.7186	28.9594	0.0967	9.6809	0.1168	9.7977	2.5909	0.1130	2.7039	0.0000	9,770.5002	9,770.5002	0.5441	0.2856	9,869.2107
2028	38.4737	5.0932	35.8549	0.1153	11.5561	0.1297	11.6858	3.0914	0.1255	3.2169	0.0000	11,606.7789	11,606.7789	0.5898	0.3061	11,712.7408
Maximum	**44.5922**	**21.2607**	**113.0219**	**0.3072**	**15.6517**	**0.4368**	**16.0884**	**3.4753**	**0.4301**	**3.9054**	**0.0000**	**30,782.9143**	**30,782.9143**	**6.0129**	**0.9652**	**31,220.8781**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**7.73**	**76.36**	**-8.77**	**0.00**	**19.23**	**85.40**	**25.66**	**13.30**	**84.55**	**34.35**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Demolition	Demolition	6/1/2022	9/30/2022	5	88	a
2	Asphalt Demolition	Demolition	7/1/2022	8/15/2022	5	32	c
3	Building Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	b
4	Asphalt Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	d
5	Site Preparation	Site Preparation	10/1/2022	2/15/2023	5	98	e
6	Site Preparation Soil Haul 2022	Site Preparation	10/1/2022	12/31/2022	5	65	f
7	Site Preparation Soil Haul 2023	Site Preparation	1/1/2023	2/15/2023	5	33	g
8	Retail and Residential Building A Building Construction	Building Construction	2/1/2023	9/30/2025	5	695	h
9	Retail Architectural Coating	Architectural Coating	10/15/2023	12/23/2023	5	50	i
10	Finishing and Landscaping	Trenching	4/1/2024	4/30/2024	5	22	l
11	Paving	Paving	4/1/2024	4/7/2024	5	5	k
12	Residential Building A Architectural Coating	Architectural Coating	7/1/2025	9/30/2025	5	66	j
13	Residential Building B Building Construction	Building Construction	2/1/2026	3/31/2028	5	565	m
14	Residential Building B Architectural Coating	Architectural Coating	1/15/2028	3/31/2028	5	55	n

Acres of Grading (Site Preparation Phase): 980

Acres of Grading (Grading Phase): 0

Acres of Paving: 15.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 179,123; Non-Residential Outdoor: 59,708; Striped Parking Area: 43,219

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Building Demolition	Excavators	2	8.00	131	0.38
Building Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Debris Haul	Excavators	0	8.00	158	0.38
Building Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38
Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Excavators	1	8.00	101	0.38
Site Preparation	Graders	4	8.00	238	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	8	8.00	365	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation Soil Haul 2022	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2022	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation Soil Haul 2023	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2023	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Retail and Residential Building A Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73
Retail and Residential Building A Building Construction	Cranes	1	8.00	300	0.29
Retail and Residential Building A Building Construction	Forklifts	0	8.00	89	0.20
Retail and Residential Building A Building Construction	Generator Sets	0	8.00	84	0.74

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Retail and Residential Building A Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Retail and Residential Building A Building Construction	Welders	0	8.00	46	0.45
Retail Architectural Coating	Air Compressors	2	6.00	78	0.48
Residential Building A Architectural Coating	Air Compressors	2	6.00	78	0.48
Paving	Pavers	1	8.00	188	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	8.00	86	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Finishing and Landscaping	Graders	1	8.00	238	0.41
Residential Building B Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73
Residential Building B Building Construction	Cranes	1	8.00	300	0.29
Residential Building B Building Construction	Forklifts	0	8.00	89	0.20
Residential Building B Building Construction	Generator Sets	0	8.00	84	0.74
Residential Building B Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Residential Building B Building Construction	Welders	0	8.00	46	0.45
Residential Building B Architectural Coating	Air Compressors	2	6.00	78	0.48

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Demolition	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Debris Haul	0	0.00	0.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition Debris Haul	0	0.00	0.00	163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2022	0	0.00	0.00	3,178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2023	0	0.00	0.00	1,613.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail and Residential Building A Building	3	910.00	91.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building A Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing and Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building B Building Construction	3	910.00	51.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building B Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7282	11.3102	12.7732	0.0358		0.4637	0.4637		0.4451	0.4451		3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**1.7282**	**11.3102**	**12.7732**	**0.0358**		**0.4637**	**0.4637**		**0.4451**	**0.4451**		**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6700e-003	9.0300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.0301	0.0202	0.3286	9.7000e-004	0.1118	6.0000e-004	0.1124	0.0296	5.5000e-004	0.0302		98.4712	98.4712	2.3200e-003	2.2100e-003	99.1885
Total	**0.0367**	**0.1997**	**0.3924**	**1.7300e-003**	**0.1374**	**2.3500e-003**	**0.1397**	**0.0370**	**2.2200e-003**	**0.0392**		**181.4142**	**181.4142**	**7.0700e-003**	**0.0141**	**185.7925**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4322	1.8730	19.4318	0.0358		0.0576	0.0576		0.0576	0.0576	0.0000	3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**0.4322**	**1.8730**	**19.4318**	**0.0358**		**0.0576**	**0.0576**		**0.0576**	**0.0576**	**0.0000**	**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6700e-003	8.6300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.0301	0.0202	0.3286	9.7000e-004	0.1030	6.0000e-004	0.1036	0.0275	5.5000e-004	0.0281		98.4712	98.4712	2.3200e-003	2.2100e-003	99.1885
Total	**0.0367**	**0.1997**	**0.3924**	**1.7300e-003**	**0.1270**	**2.3500e-003**	**0.1293**	**0.0345**	**2.2200e-003**	**0.0367**		**181.4142**	**181.4142**	**7.0700e-003**	**0.0141**	**185.7925**

3.3 Asphalt Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Total	**0.1647**	**1.6756**	**2.2379**	**3.1100e-003**		**0.0901**	**0.0901**		**0.0829**	**0.0829**		**301.2390**	**301.2390**	**0.0974**		**303.6746**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6700e-003	9.0300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	9.0200e-003	6.0600e-003	0.0986	2.9000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.7000e-004	9.0600e-003		29.5414	29.5414	6.9000e-004	6.6000e-004	29.7566
Total	**0.0157**	**0.1855**	**0.1623**	**1.0500e-003**	**0.0591**	**1.9300e-003**	**0.0610**	**0.0163**	**1.8400e-003**	**0.0181**		**112.4844**	**112.4844**	**5.4400e-003**	**0.0126**	**116.3606**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0380	0.1646	2.3421	3.1100e-003		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003	0.0000	301.2390	301.2390	0.0974		303.6746
Total	**0.0380**	**0.1646**	**2.3421**	**3.1100e-003**		**5.0600e-003**	**5.0600e-003**		**5.0600e-003**	**5.0600e-003**	**0.0000**	**301.2390**	**301.2390**	**0.0974**		**303.6746**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6700e-003	8.6300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	9.0200e-003	6.0600e-003	0.0986	2.9000e-004	0.0309	1.8000e-004	0.0311	8.2500e-003	1.7000e-004	8.4200e-003		29.5414	29.5414	6.9000e-004	6.6000e-004	29.7566
Total	**0.0157**	**0.1855**	**0.1623**	**1.0500e-003**	**0.0549**	**1.9300e-003**	**0.0568**	**0.0152**	**1.8400e-003**	**0.0171**		**112.4844**	**112.4844**	**5.4400e-003**	**0.0126**	**116.3606**

3.4 Building Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7064	0.0000	5.7064	0.8640	0.0000	0.8640			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.7064**	**0.0000**	**5.7064**	**0.8640**	**0.0000**	**0.8640**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1080	4.1518	1.1662	0.0159	0.4651	0.0314	0.4965	0.1274	0.0301	0.1574		1,802.9238	1,802.9238	0.1719	0.2888	1,893.2714
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1080**	**4.1518**	**1.1662**	**0.0159**	**0.4651**	**0.0314**	**0.4965**	**0.1274**	**0.0301**	**0.1574**		**1,802.9238**	**1,802.9238**	**0.1719**	**0.2888**	**1,893.2714**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4395	0.0000	2.4395	0.3694	0.0000	0.3694			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.4395**	**0.0000**	**2.4395**	**0.3694**	**0.0000**	**0.3694**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1080	4.1518	1.1662	0.0159	0.4334	0.0314	0.4648	0.1196	0.0301	0.1496		1,802.9238	1,802.9238	0.1719	0.2888	1,893.2714
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1080**	**4.1518**	**1.1662**	**0.0159**	**0.4334**	**0.0314**	**0.4648**	**0.1196**	**0.0301**	**0.1496**		**1,802.9238**	**1,802.9238**	**0.1719**	**0.2888**	**1,893.2714**

3.5 Asphalt Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0444	0.0000	4.0444	0.6124	0.0000	0.6124			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.0444**	**0.0000**	**4.0444**	**0.6124**	**0.0000**	**0.6124**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1100	4.2296	1.1881	0.0162	0.4738	0.0320	0.5058	0.1298	0.0306	0.1604		1,836.7286	1,836.7286	0.1751	0.2942	1,928.7702
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1100**	**4.2296**	**1.1881**	**0.0162**	**0.4738**	**0.0320**	**0.5058**	**0.1298**	**0.0306**	**0.1604**		**1,836.7286**	**1,836.7286**	**0.1751**	**0.2942**	**1,928.7702**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7290	0.0000	1.7290	0.2618	0.0000	0.2618			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.7290**	**0.0000**	**1.7290**	**0.2618**	**0.0000**	**0.2618**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1100	4.2296	1.1881	0.0162	0.4415	0.0320	0.4735	0.1218	0.0306	0.1524		1,836.7286	1,836.7286	0.1751	0.2942	1,928.7702
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1100**	**4.2296**	**1.1881**	**0.0162**	**0.4415**	**0.0320**	**0.4735**	**0.1218**	**0.0306**	**0.1524**		**1,836.7286**	**1,836.7286**	**0.1751**	**0.2942**	**1,928.7702**

3.6 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.9659	101.3640	64.0828	0.1609		3.8122	3.8122		3.5072	3.5072		15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**8.9659**	**101.3640**	**64.0828**	**0.1609**	**10.6050**	**3.8122**	**14.4172**	**1.1451**	**3.5072**	**4.6523**		**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6700e-003	9.0300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.1053	0.0707	1.1502	3.4100e-003	0.3912	2.1100e-003	0.3933	0.1038	1.9400e-003	0.1057		344.6490	344.6490	8.1100e-003	7.7500e-003	347.1598
Total	**0.1119**	**0.2502**	**1.2140**	**4.1700e-003**	**0.4168**	**3.8600e-003**	**0.4207**	**0.1111**	**3.6100e-003**	**0.1147**		**427.5921**	**427.5921**	**0.0129**	**0.0196**	**433.7638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	1.9748	8.5576	74.3756	0.1609		0.2633	0.2633		0.2633	0.2633	0.0000	15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**1.9748**	**8.5576**	**74.3756**	**0.1609**	**4.5336**	**0.2633**	**4.7970**	**0.4895**	**0.2633**	**0.7528**	**0.0000**	**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6500e-003	0.1795	0.0637	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6700e-003	8.6300e-003		82.9430	82.9430	4.7500e-003	0.0119	86.6040
Worker	0.1053	0.0707	1.1502	3.4100e-003	0.3606	2.1100e-003	0.3627	0.0962	1.9400e-003	0.0982		344.6490	344.6490	8.1100e-003	7.7500e-003	347.1598
Total	**0.1119**	**0.2502**	**1.2140**	**4.1700e-003**	**0.3846**	**3.8600e-003**	**0.3884**	**0.1032**	**3.6100e-003**	**0.1068**		**427.5921**	**427.5921**	**0.0129**	**0.0196**	**433.7638**

3.6 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.5191	92.7414	62.0147	0.1609		3.5061	3.5061		3.2256	3.2256		15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**8.5191**	**92.7414**	**62.0147**	**0.1609**	**10.6050**	**3.5061**	**14.1111**	**1.1451**	**3.2256**	**4.3707**		**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0400e-003	0.1402	0.0581	7.2000e-004	0.0256	7.2000e-004	0.0263	7.3600e-003	6.9000e-004	8.0500e-003		78.9798	78.9798	4.7000e-003	0.0113	82.4743
Worker	0.0986	0.0631	1.0688	3.3000e-003	0.3912	1.9900e-003	0.3932	0.1038	1.8400e-003	0.1056		333.6766	333.6766	7.3300e-003	7.2100e-003	336.0081
Total	**0.1026**	**0.2032**	**1.1270**	**4.0200e-003**	**0.4168**	**2.7100e-003**	**0.4195**	**0.1111**	**2.5300e-003**	**0.1136**		**412.6563**	**412.6563**	**0.0120**	**0.0185**	**418.4823**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	1.9748	8.5576	74.3756	0.1609		0.2633	0.2633		0.2633	0.2633	0.0000	15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**1.9748**	**8.5576**	**74.3756**	**0.1609**	**4.5336**	**0.2633**	**4.7970**	**0.4895**	**0.2633**	**0.7528**	**0.0000**	**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0400e-003	0.1402	0.0581	7.2000e-004	0.0239	7.2000e-004	0.0247	6.9600e-003	6.9000e-004	7.6500e-003		78.9798	78.9798	4.7000e-003	0.0113	82.4743
Worker	0.0986	0.0631	1.0688	3.3000e-003	0.3606	1.9900e-003	0.3626	0.0962	1.8400e-003	0.0981		333.6766	333.6766	7.3300e-003	7.2100e-003	336.0081
Total	**0.1026**	**0.2032**	**1.1270**	**4.0200e-003**	**0.3845**	**2.7100e-003**	**0.3873**	**0.1032**	**2.5300e-003**	**0.1057**		**412.6563**	**412.6563**	**0.0120**	**0.0185**	**418.4823**

3.7 Site Preparation Soil Haul 2022 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1981	7.6121	2.1382	0.0292	0.8527	0.0576	0.9103	0.2335	0.0551	0.2886		3,305.5914	3,305.5914	0.3151	0.5294	3,471.2402
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1981**	**7.6121**	**2.1382**	**0.0292**	**0.8527**	**0.0576**	**0.9103**	**0.2335**	**0.0551**	**0.2886**		**3,305.5914**	**3,305.5914**	**0.3151**	**0.5294**	**3,471.2402**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1981	7.6121	2.1382	0.0292	0.7945	0.0576	0.8521	0.2192	0.0551	0.2743		3,305.5914	3,305.5914	0.3151	0.5294	3,471.2402
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1981**	**7.6121**	**2.1382**	**0.0292**	**0.7945**	**0.0576**	**0.8521**	**0.2192**	**0.0551**	**0.2743**		**3,305.5914**	**3,305.5914**	**0.3151**	**0.5294**	**3,471.2402**

3.8 Site Preparation Soil Haul 2023 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1019	5.8250	1.9968	0.0274	0.8524	0.0375	0.8899	0.2334	0.0359	0.2693		3,126.0457	3,126.0457	0.3154	0.5015	3,283.3653
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1019**	**5.8250**	**1.9968**	**0.0274**	**0.8524**	**0.0375**	**0.8899**	**0.2334**	**0.0359**	**0.2693**		**3,126.0457**	**3,126.0457**	**0.3154**	**0.5015**	**3,283.3653**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1019	5.8250	1.9968	0.0274	0.7943	0.0375	0.8318	0.2192	0.0359	0.2550		3,126.0457	3,126.0457	0.3154	0.5015	3,283.3653
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1019**	**5.8250**	**1.9968**	**0.0274**	**0.7943**	**0.0375**	**0.8318**	**0.2192**	**0.0359**	**0.2550**		**3,126.0457**	**3,126.0457**	**0.3154**	**0.5015**	**3,283.3653**

3.9 Retail and Residential Building A Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7168	6.6706	6.0084	0.0127		0.2793	0.2793		0.2608	0.2608		1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.7168**	**6.6706**	**6.0084**	**0.0127**		**0.2793**	**0.2793**		**0.2608**	**0.2608**		**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0919	3.1892	1.3223	0.0164	0.5819	0.0164	0.5982	0.1675	0.0157	0.1831		1,796.7894	1,796.7894	0.1068	0.2578	1,876.2894
Worker	2.5625	1.6392	27.7896	0.0858	10.1717	0.0519	10.2235	2.6976	0.0477	2.7453		8,675.5913	8,675.5913	0.1907	0.1874	8,736.2098
Total	**2.6544**	**4.8284**	**29.1118**	**0.1022**	**10.7535**	**0.0682**	**10.8217**	**2.8650**	**0.0634**	**2.9284**		**10,472.3807**	**10,472.3807**	**0.2975**	**0.4452**	**10,612.4992**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4107	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.3329**	**1.8463**	**6.4107**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0919	3.1892	1.3223	0.0164	0.5445	0.0164	0.5609	0.1583	0.0157	0.1740		1,796.7894	1,796.7894	0.1068	0.2578	1,876.2894
Worker	2.5625	1.6392	27.7896	0.0858	9.3758	0.0519	9.4276	2.5022	0.0477	2.5500		8,675.5913	8,675.5913	0.1907	0.1874	8,736.2098
Total	**2.6544**	**4.8284**	**29.1118**	**0.1022**	**9.9203**	**0.0682**	**9.9885**	**2.6605**	**0.0634**	**2.7239**		**10,472.3807**	**10,472.3807**	**0.2975**	**0.4452**	**10,612.4992**

3.9 Retail and Residential Building A Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7005	6.3874	5.8937	0.0127		0.2619	0.2619		0.2448	0.2448		1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.7005**	**6.3874**	**5.8937**	**0.0127**		**0.2619**	**0.2619**		**0.2448**	**0.2448**		**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0905	3.1798	1.3124	0.0161	0.5819	0.0171	0.5990	0.1675	0.0164	0.1838		1,768.9159	1,768.9159	0.1080	0.2549	1,847.5728
Worker	2.4080	1.4722	25.8584	0.0831	10.1717	0.0493	10.2209	2.6976	0.0453	2.7429		8,400.0728	8,400.0728	0.1729	0.1753	8,456.6292
Total	**2.4985**	**4.6520**	**27.1709**	**0.0992**	**10.7535**	**0.0664**	**10.8199**	**2.8650**	**0.0617**	**2.9267**		**10,168.9887**	**10,168.9887**	**0.2808**	**0.4302**	**10,304.2020**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4104	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.3329**	**1.8463**	**6.4104**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0905	3.1798	1.3124	0.0161	0.5445	0.0171	0.5616	0.1583	0.0164	0.1747		1,768.9159	1,768.9159	0.1080	0.2549	1,847.5728
Worker	2.4080	1.4722	25.8584	0.0831	9.3758	0.0493	9.4250	2.5022	0.0453	2.5476		8,400.0728	8,400.0728	0.1729	0.1753	8,456.6292
Total	**2.4985**	**4.6520**	**27.1709**	**0.0992**	**9.9203**	**0.0664**	**9.9867**	**2.6605**	**0.0617**	**2.7222**		**10,168.9887**	**10,168.9887**	**0.2808**	**0.4302**	**10,304.2020**

3.9 Retail and Residential Building A Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0892	3.1641	1.3072	0.0158	0.5819	0.0172	0.5991	0.1675	0.0165	0.1839		1,735.8000	1,735.8000	0.1093	0.2512	1,813.3847
Worker	2.2729	1.3334	24.2735	0.0803	10.1717	0.0471	10.2187	2.6976	0.0433	2.7409		8,114.0568	8,114.0568	0.1570	0.1649	8,167.1224
Total	**2.3621**	**4.4976**	**25.5807**	**0.0960**	**10.7535**	**0.0643**	**10.8178**	**2.8650**	**0.0598**	**2.9248**		**9,849.8568**	**9,849.8568**	**0.2664**	**0.4161**	**9,980.5071**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4104	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.3329**	**1.8463**	**6.4104**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0892	3.1641	1.3072	0.0158	0.5445	0.0172	0.5617	0.1583	0.0165	0.1748		1,735.8000	1,735.8000	0.1093	0.2512	1,813.3847
Worker	2.2729	1.3334	24.2735	0.0803	9.3758	0.0471	9.4229	2.5022	0.0433	2.5455		8,114.0568	8,114.0568	0.1570	0.1649	8,167.1224
Total	**2.3621**	**4.4976**	**25.5807**	**0.0960**	**9.9203**	**0.0643**	**9.9846**	**2.6605**	**0.0598**	**2.7203**		**9,849.8568**	**9,849.8568**	**0.2664**	**0.4161**	**9,980.5071**

3.10 Retail Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.1460					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**26.5294**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5125	0.3279	5.5579	0.0172	2.0343	0.0104	2.0447	0.5395	9.5500e-003	0.5491		1,735.1183	1,735.1183	0.0381	0.0375	1,747.2420
Total	**0.5125**	**0.3279**	**5.5579**	**0.0172**	**2.0343**	**0.0104**	**2.0447**	**0.5395**	**9.5500e-003**	**0.5491**		**1,735.1183**	**1,735.1183**	**0.0381**	**0.0375**	**1,747.2420**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.1460					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**26.2055**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5125	0.3279	5.5579	0.0172	1.8752	0.0104	1.8855	0.5004	9.5500e-003	0.5100		1,735.1183	1,735.1183	0.0381	0.0375	1,747.2420
Total	**0.5125**	**0.3279**	**5.5579**	**0.0172**	**1.8752**	**0.0104**	**1.8855**	**0.5004**	**9.5500e-003**	**0.5100**		**1,735.1183**	**1,735.1183**	**0.0381**	**0.0375**	**1,747.2420**

3.11 Finishing and Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4513	5.2891	2.1082	8.4200e-003		0.1715	0.1715		0.1578	0.1578		815.1913	815.1913	0.2637		821.7826
Total	**0.4513**	**5.2891**	**2.1082**	**8.4200e-003**		**0.1715**	**0.1715**		**0.1578**	**0.1578**		**815.1913**	**815.1913**	**0.2637**		**821.7826**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9400e-003	4.8500e-003	0.0853	2.7000e-004	0.0335	1.6000e-004	0.0337	8.8900e-003	1.5000e-004	9.0400e-003		27.6926	27.6926	5.7000e-004	5.8000e-004	27.8790
Total	**7.9400e-003**	**4.8500e-003**	**0.0853**	**2.7000e-004**	**0.0335**	**1.6000e-004**	**0.0337**	**8.8900e-003**	**1.5000e-004**	**9.0400e-003**		**27.6926**	**27.6926**	**5.7000e-004**	**5.8000e-004**	**27.8790**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1033	0.4475	3.7862	8.4200e-003		0.0138	0.0138		0.0138	0.0138	0.0000	815.1913	815.1913	0.2637		821.7826
Total	**0.1033**	**0.4475**	**3.7862**	**8.4200e-003**		**0.0138**	**0.0138**		**0.0138**	**0.0138**	**0.0000**	**815.1913**	**815.1913**	**0.2637**		**821.7826**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9400e-003	4.8500e-003	0.0853	2.7000e-004	0.0309	1.6000e-004	0.0311	8.2500e-003	1.5000e-004	8.4000e-003		27.6926	27.6926	5.7000e-004	5.8000e-004	27.8790
Total	**7.9400e-003**	**4.8500e-003**	**0.0853**	**2.7000e-004**	**0.0309**	**1.6000e-004**	**0.0311**	**8.2500e-003**	**1.5000e-004**	**8.4000e-003**		**27.6926**	**27.6926**	**5.7000e-004**	**5.8000e-004**	**27.8790**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4666	4.9575	5.6292	0.0128		0.2106	0.2106		0.1938	0.1938		1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.3390**	**4.9575**	**5.6292**	**0.0128**		**0.2106**	**0.2106**		**0.1938**	**0.1938**		**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0212	0.0129	0.2273	7.3000e-004	0.0894	4.3000e-004	0.0899	0.0237	4.0000e-004	0.0241		73.8468	73.8468	1.5200e-003	1.5400e-003	74.3440
Total	**0.0212**	**0.0129**	**0.2273**	**7.3000e-004**	**0.0894**	**4.3000e-004**	**0.0899**	**0.0237**	**4.0000e-004**	**0.0241**		**73.8468**	**73.8468**	**1.5200e-003**	**1.5400e-003**	**74.3440**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1561	0.6765	7.5384	0.0128		0.0208	0.0208		0.0208	0.0208	0.0000	1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0285**	**0.6765**	**7.5384**	**0.0128**		**0.0208**	**0.0208**		**0.0208**	**0.0208**	**0.0000**	**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0212	0.0129	0.2273	7.3000e-004	0.0824	4.3000e-004	0.0829	0.0220	4.0000e-004	0.0224		73.8468	73.8468	1.5200e-003	1.5400e-003	74.3440
Total	**0.0212**	**0.0129**	**0.2273**	**7.3000e-004**	**0.0824**	**4.3000e-004**	**0.0829**	**0.0220**	**4.0000e-004**	**0.0224**		**73.8468**	**73.8468**	**1.5200e-003**	**1.5400e-003**	**74.3440**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Residential Building A Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	**41.7249**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**		**562.8961**	**562.8961**	**0.0307**		**563.6637**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4546	0.2667	4.8547	0.0161	2.0343	9.4100e-003	2.0437	0.5395	8.6600e-003	0.5482		1,622.8114	1,622.8114	0.0314	0.0330	1,633.4245
Total	**0.4546**	**0.2667**	**4.8547**	**0.0161**	**2.0343**	**9.4100e-003**	**2.0437**	**0.5395**	**8.6600e-003**	**0.5482**		**1,622.8114**	**1,622.8114**	**0.0314**	**0.0330**	**1,633.4245**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
Total	**41.4426**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0307**		**563.6637**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4546	0.2667	4.8547	0.0161	1.8752	9.4100e-003	1.8846	0.5004	8.6600e-003	0.5091		1,622.8114	1,622.8114	0.0314	0.0330	1,633.4245
Total	**0.4546**	**0.2667**	**4.8547**	**0.0161**	**1.8752**	**9.4100e-003**	**1.8846**	**0.5004**	**8.6600e-003**	**0.5091**		**1,622.8114**	**1,622.8114**	**0.0314**	**0.0330**	**1,633.4245**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Residential Building B Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0493	1.7606	0.7303	8.6400e-003	0.3261	9.6500e-003	0.3357	0.0939	9.2300e-003	0.1031		954.1695	954.1695	0.0620	0.1386	997.0258
Worker	2.1548	1.2200	22.9470	0.0778	10.1717	0.0448	10.2164	2.6976	0.0412	2.7388		7,863.9556	7,863.9556	0.1435	0.1564	7,914.1434
Total	**2.2040**	**2.9806**	**23.6773**	**0.0864**	**10.4977**	**0.0544**	**10.5522**	**2.7914**	**0.0504**	**2.8418**		**8,818.1250**	**8,818.1250**	**0.2054**	**0.2950**	**8,911.1692**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4104	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.3329**	**1.8463**	**6.4104**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0493	1.7606	0.7303	8.6400e-003	0.3052	9.6500e-003	0.3148	0.0887	9.2300e-003	0.0979		954.1695	954.1695	0.0620	0.1386	997.0258
Worker	2.1548	1.2200	22.9470	0.0778	9.3758	0.0448	9.4206	2.5022	0.0412	2.5434		7,863.9556	7,863.9556	0.1435	0.1564	7,914.1434
Total	**2.2040**	**2.9806**	**23.6773**	**0.0864**	**9.6809**	**0.0544**	**9.7354**	**2.5909**	**0.0504**	**2.6414**		**8,818.1250**	**8,818.1250**	**0.2054**	**0.2950**	**8,911.1692**

3.14 Residential Building B Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0486	1.7474	0.7281	8.4500e-003	0.3261	9.6200e-003	0.3357	0.0939	9.2000e-003	0.1031		934.6434	934.6434	0.0624	0.1363	976.8227
Worker	2.0457	1.1248	21.8209	0.0756	10.1717	0.0421	10.2138	2.6976	0.0388	2.7363		7,641.3191	7,641.3191	0.1318	0.1493	7,689.1009
Total	**2.0943**	**2.8722**	**22.5490**	**0.0841**	**10.4977**	**0.0518**	**10.5495**	**2.7914**	**0.0480**	**2.8394**		**8,575.9625**	**8,575.9625**	**0.1942**	**0.2856**	**8,665.9236**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4104	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.3329**	**1.8463**	**6.4104**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0486	1.7474	0.7281	8.4500e-003	0.3051	9.6200e-003	0.3148	0.0887	9.2000e-003	0.0979		934.6434	934.6434	0.0624	0.1363	976.8227
Worker	2.0457	1.1248	21.8209	0.0756	9.3758	0.0421	9.4179	2.5022	0.0388	2.5410		7,641.3191	7,641.3191	0.1318	0.1493	7,689.1009
Total	**2.0943**	**2.8722**	**22.5490**	**0.0841**	**9.6809**	**0.0518**	**9.7327**	**2.5909**	**0.0480**	**2.6389**		**8,575.9625**	**8,575.9625**	**0.1942**	**0.2856**	**8,665.9236**

3.14 Residential Building B Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0480	1.7356	0.7276	8.2700e-003	0.3261	9.5900e-003	0.3357	0.0938	9.1700e-003	0.1030		915.9989	915.9989	0.0630	0.1341	957.5225
Worker	1.9441	1.0448	20.8767	0.0737	10.1717	0.0393	10.2110	2.6976	0.0362	2.7337		7,444.4550	7,444.4550	0.1217	0.1434	7,490.2228
Total	**1.9921**	**2.7804**	**21.6043**	**0.0819**	**10.4977**	**0.0489**	**10.5466**	**2.7914**	**0.0453**	**2.8368**		**8,360.4540**	**8,360.4540**	**0.1847**	**0.2774**	**8,447.7454**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4104	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.3329**	**1.8463**	**6.4104**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0480	1.7356	0.7276	8.2700e-003	0.3051	9.5900e-003	0.3147	0.0887	9.1700e-003	0.0979		915.9989	915.9989	0.0630	0.1341	957.5225
Worker	1.9441	1.0448	20.8767	0.0737	9.3758	0.0393	9.4151	2.5022	0.0362	2.5384		7,444.4550	7,444.4550	0.1217	0.1434	7,490.2228
Total	**1.9921**	**2.7804**	**21.6043**	**0.0819**	**9.6809**	**0.0489**	**9.7298**	**2.5909**	**0.0453**	**2.6363**		**8,360.4540**	**8,360.4540**	**0.1847**	**0.2774**	**8,447.7454**

3.15 Residential Building B Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.7005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	**36.0422**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**		**562.8961**	**562.8961**	**0.0307**		**563.6637**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3888	0.2090	4.1753	0.0147	2.0343	7.8600e-003	2.0422	0.5395	7.2300e-003	0.5468		1,488.8910	1,488.8910	0.0244	0.0287	1,498.0446
Total	**0.3888**	**0.2090**	**4.1753**	**0.0147**	**2.0343**	**7.8600e-003**	**2.0422**	**0.5395**	**7.2300e-003**	**0.5468**		**1,488.8910**	**1,488.8910**	**0.0244**	**0.0287**	**1,498.0446**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.7005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
Total	**35.7599**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0307**		**563.6637**

Mitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3888	0.2090	4.1753	0.0147	1.8752	7.8600e-003	1.8830	0.5004	7.2300e-003	0.5077		1,488.8910	1,488.8910	0.0244	0.0287	1,498.0446
Total	**0.3888**	**0.2090**	**4.1753**	**0.0147**	**1.8752**	**7.8600e-003**	**1.8830**	**0.5004**	**7.2300e-003**	**0.5077**		**1,488.8910**	**1,488.8910**	**0.0244**	**0.0287**	**1,498.0446**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	398.50	1000sqft	5.47	398,500.00	0
Other Asphalt Surfaces	192.00	1000sqft	4.41	192,000.00	0
Other Non-Asphalt Surfaces	206.53	1000sqft	2.86	206,533.70	0
Parking Lot	129.81	1000sqft	2.98	129,809.00	0
Apartments Mid Rise	670.00	Dwelling Unit	0.00	750,300.00	1115
Regional Shopping Center	119.42	1000sqft	0.80	119,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - structures are comprised of multiple stories

Construction Phase - based on information provided by applicant. see project description for construction durations

Off-road Equipment - based on information provided by the applicant

Off-road Equipment - no additional equipment required for asphalt demolition debris haul

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - based on information provided by applicant

Off-road Equipment - no additional equipment required for building demolition haul

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - assuming air compressor as proxy for plaster gun, based on info from applicant

Off-road Equipment - based on info from applicant

Off-road Equipment - no additional equipment required for site preparation soil haul

Off-road Equipment - no additional equipment required for site preparation soil haul

Trips and VMT - assumes 4 vt/water truck/day. Assumes that 2 dump trucks will be used for asphalt demo haul. Building Construction and Arch Coat are calculated based on CalEEMod Appendix A rates

Demolition -

Grading -

Architectural Coating - see assumptions file for calculations. Parking only accounts for parking area and driveways

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186, MM: Tier 4 (Final) Equipment >50hp

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	59,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	59,708.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	179,123.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	179,123.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,611.00	0.00

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblArchitecturalCoating	ConstArea_Parking	55,611.00	0.00
tblArchitecturalCoating	ConstArea_Parking	55,611.00	43,219.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	211,815.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	294,638.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	506,453.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	635,445.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	883,913.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,519,358.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	59708	123708
tblAreaCoating	Area_Nonresidential_Interior	179123	371123
tblAreaCoating	Area_Parking	55611	55400
tblAreaCoating	Area_Residential_Exterior	506453	294638
tblAreaCoating	Area_Residential_Interior	1519358	883913
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	55.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	300.00	565.00
tblConstructionPhase	NumDays	300.00	695.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	98.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	10.00	33.00
tblFireplaces	NumberGas	569.50	331.50
tblFireplaces	NumberNoFireplace	67.00	39.00
tblFireplaces	NumberWood	33.50	19.50
tblGrading	MaterialExported	0.00	25,416.00
tblGrading	MaterialExported	0.00	12,904.00
tblLandUse	LandUseSquareFeet	206,530.00	206,533.70
tblLandUse	LandUseSquareFeet	129,810.00	129,809.00
tblLandUse	LandUseSquareFeet	670,000.00	750,300.00

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LandUseSquareFeet	119,420.00	119,415.00
tblLandUse	LotAcreage	9.15	5.47
tblLandUse	LotAcreage	4.74	2.86
tblLandUse	LotAcreage	17.63	0.00
tblLandUse	LotAcreage	2.74	0.80
tblLandUse	Population	1,916.00	1,115.00
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	231.00	300.00
tblOffRoadEquipment	HorsePower	158.00	131.00
tblOffRoadEquipment	HorsePower	130.00	188.00
tblOffRoadEquipment	HorsePower	80.00	86.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	81.00	23.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	101.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	187.00	238.00
tblOffRoadEquipment	HorsePower	367.00	365.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblSolidWaste	SolidWasteGenerationRate	308.20	179.40
tblTripsAndVMT	HaulingTripNumber	158.00	160.00
tblTripsAndVMT	HaulingTripNumber	112.00	163.00
tblTripsAndVMT	HaulingTripNumber	3,177.00	3,178.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	243.00	51.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	243.00	91.00
tblWater	IndoorWaterUseRate	43,653,197.17	25,410,069.99
tblWater	OutdoorWaterUseRate	27,520,493.87	16,019,391.95
tblWoodstoves	NumberCatalytic	33.50	19.50
tblWoodstoves	NumberNoncatalytic	33.50	19.50

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.2804	109.5393	67.3886	0.1941	11.9187	3.8738	15.7925	1.7867	3.5661	5.0625	0.0000	19,298.1933	19,298.1933	5.3669	0.6100	19,596.1826
2023	30.6955	110.8320	98.3497	0.3030	22.6720	3.8941	26.5661	4.3614	3.5884	7.9498	0.0000	30,357.7699	30,357.7699	6.0171	0.9788	30,799.8641
2024	8.2504	21.5916	39.3918	0.1300	10.8765	0.7111	11.5876	2.8976	0.6587	3.5563	0.0000	13,110.9979	13,110.9979	1.2998	0.4442	13,275.8515
2025	45.4806	13.2766	37.8846	0.1261	12.7878	0.4135	13.2013	3.4045	0.3931	3.7976	0.0000	12,768.9921	12,768.9921	0.6833	0.4622	12,923.7969
2026	3.0946	9.1019	27.9122	0.0954	10.4977	0.2911	10.7889	2.7914	0.2720	3.0634	0.0000	9,640.1619	9,640.1619	0.5593	0.3052	9,745.0868
2027	2.9796	8.9836	26.8651	0.0931	10.4977	0.2885	10.7862	2.7914	0.2696	3.0610	0.0000	9,408.9554	9,408.9554	0.5478	0.2953	9,510.6483
2028	39.3448	11.4037	33.5063	0.1111	12.5321	0.3965	12.9285	3.3309	0.3772	3.7081	0.0000	11,184.1002	11,184.1002	0.5940	0.3172	11,293.4739
Maximum	**45.4806**	**110.8320**	**98.3497**	**0.3030**	**22.6720**	**3.8941**	**26.5661**	**4.3614**	**3.5884**	**7.9498**	**0.0000**	**30,357.7699**	**30,357.7699**	**6.0171**	**0.9788**	**30,799.8641**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.2893	16.7329	77.6814	0.1941	5.7316	0.3249	6.0565	0.9222	0.3222	1.1370	0.0000	19,298.1933	19,298.1933	5.3669	0.6100	19,596.1826
2023	29.9877	21.8239	111.1129	0.3030	15.6517	0.4370	16.0886	3.4753	0.4303	3.9056	0.0000	30,357.7699	30,357.7699	6.0171	0.9788	30,799.8641
2024	7.2243	7.9279	43.4958	0.1300	10.0336	0.1667	10.2003	2.6908	0.1620	2.8527	0.0000	13,110.9979	13,110.9979	1.2998	0.4442	13,275.8515
2025	44.8612	7.1660	38.6057	0.1261	11.7954	0.1467	11.9422	3.1610	0.1415	3.3024	0.0000	12,768.9921	12,768.9921	0.6833	0.4622	12,923.7969
2026	2.7574	5.0248	28.5867	0.0954	9.6809	0.1195	9.8004	2.5909	0.1155	2.7064	0.0000	9,640.1619	9,640.1619	0.5593	0.3052	9,745.0868
2027	2.6424	4.9066	27.5396	0.0931	9.6809	0.1168	9.7978	2.5909	0.1130	2.7040	0.0000	9,408.9554	9,408.9554	0.5478	0.2953	9,510.6483
2028	38.7253	5.2932	34.2274	0.1111	11.5561	0.1297	11.6858	3.0914	0.1255	3.2169	0.0000	11,184.1002	11,184.1002	0.5940	0.3172	11,293.4739
Maximum	**44.8612**	**21.8239**	**111.1129**	**0.3030**	**15.6517**	**0.4370**	**16.0886**	**3.4753**	**0.4303**	**3.9056**	**0.0000**	**30,357.7699**	**30,357.7699**	**6.0171**	**0.9788**	**30,799.8641**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**7.65**	**75.81**	**-9.04**	**0.00**	**19.23**	**85.40**	**25.66**	**13.30**	**84.55**	**34.35**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Demolition	Demolition	6/1/2022	9/30/2022	5	88	a
2	Asphalt Demolition	Demolition	7/1/2022	8/15/2022	5	32	c
3	Building Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	b
4	Asphalt Demolition Debris Haul	Demolition	8/8/2022	8/15/2022	5	6	d
5	Site Preparation	Site Preparation	10/1/2022	2/15/2023	5	98	e
6	Site Preparation Soil Haul 2022	Site Preparation	10/1/2022	12/31/2022	5	65	f
7	Site Preparation Soil Haul 2023	Site Preparation	1/1/2023	2/15/2023	5	33	g
8	Retail and Residential Building A Building Construction	Building Construction	2/1/2023	9/30/2025	5	695	h
9	Retail Architectural Coating	Architectural Coating	10/15/2023	12/23/2023	5	50	i
10	Finishing and Landscaping	Trenching	4/1/2024	4/30/2024	5	22	l
11	Paving	Paving	4/1/2024	4/7/2024	5	5	k
12	Residential Building A Architectural Coating	Architectural Coating	7/1/2025	9/30/2025	5	66	j
13	Residential Building B Building Construction	Building Construction	2/1/2026	3/31/2028	5	565	m
14	Residential Building B Architectural Coating	Architectural Coating	1/15/2028	3/31/2028	5	55	n

Acres of Grading (Site Preparation Phase): 980

Acres of Grading (Grading Phase): 0

Acres of Paving: 15.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 179,123; Non-Residential Outdoor: 59,708; Striped Parking Area: 43,219

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Building Demolition	Excavators	2	8.00	131	0.38
Building Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Debris Haul	Excavators	0	8.00	158	0.38
Building Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38
Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Excavators	1	8.00	101	0.38
Site Preparation	Graders	4	8.00	238	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	8	8.00	365	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation Soil Haul 2022	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2022	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation Soil Haul 2023	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul 2023	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Retail and Residential Building A Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Retail and Residential Building A Building Construction	Cranes	1	8.00	300	0.29
Retail and Residential Building A Building Construction	Forklifts	0	8.00	89	0.20
Retail and Residential Building A Building Construction	Generator Sets	0	8.00	84	0.74
Retail and Residential Building A Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Retail and Residential Building A Building Construction	Welders	0	8.00	46	0.45
Retail Architectural Coating	Air Compressors	2	6.00	78	0.48
Residential Building A Architectural Coating	Air Compressors	2	6.00	78	0.48
Paving	Pavers	1	8.00	188	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	8.00	86	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Finishing and Landscaping	Graders	1	8.00	238	0.41
Residential Building B Building Construction	Concrete/Industrial Saws	1	8.00	23	0.73
Residential Building B Building Construction	Cranes	1	8.00	300	0.29
Residential Building B Building Construction	Forklifts	0	8.00	89	0.20
Residential Building B Building Construction	Generator Sets	0	8.00	84	0.74
Residential Building B Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Residential Building B Building Construction	Welders	0	8.00	46	0.45
Residential Building B Architectural Coating	Air Compressors	2	6.00	78	0.48

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Demolition	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Debris Haul	0	0.00	0.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition Debris Haul	0	0.00	0.00	163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2022	0	0.00	0.00	3,178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul 2023	0	0.00	0.00	1,613.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail and Residential Building A Building	3	910.00	91.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Retail Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building A Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing and Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building B Building Construction	3	910.00	51.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building B Architectural Coating	2	182.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7282	11.3102	12.7732	0.0358		0.4637	0.4637		0.4451	0.4451		3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**1.7282**	**11.3102**	**12.7732**	**0.0358**		**0.4637**	**0.4637**		**0.4451**	**0.4451**		**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6800e-003	9.0400e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.0328	0.0222	0.3058	9.3000e-004	0.1118	6.0000e-004	0.1124	0.0296	5.5000e-004	0.0302		93.7501	93.7501	2.3700e-003	2.3600e-003	94.5111
Total	**0.0393**	**0.2087**	**0.3718**	**1.6900e-003**	**0.1374**	**2.3500e-003**	**0.1397**	**0.0370**	**2.2300e-003**	**0.0392**		**176.7192**	**176.7192**	**7.1100e-003**	**0.0143**	**181.1446**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4322	1.8730	19.4318	0.0358		0.0576	0.0576		0.0576	0.0576	0.0000	3,866.6787	3,866.6787	0.4763		3,878.5869
Total	**0.4322**	**1.8730**	**19.4318**	**0.0358**		**0.0576**	**0.0576**		**0.0576**	**0.0576**	**0.0000**	**3,866.6787**	**3,866.6787**	**0.4763**		**3,878.5869**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6800e-003	8.6300e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.0328	0.0222	0.3058	9.3000e-004	0.1030	6.0000e-004	0.1036	0.0275	5.5000e-004	0.0281		93.7501	93.7501	2.3700e-003	2.3600e-003	94.5111
Total	**0.0393**	**0.2087**	**0.3718**	**1.6900e-003**	**0.1270**	**2.3500e-003**	**0.1293**	**0.0345**	**2.2300e-003**	**0.0367**		**176.7192**	**176.7192**	**7.1100e-003**	**0.0143**	**181.1446**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Asphalt Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Total	**0.1647**	**1.6756**	**2.2379**	**3.1100e-003**		**0.0901**	**0.0901**		**0.0829**	**0.0829**		**301.2390**	**301.2390**	**0.0974**		**303.6746**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6800e-003	9.0400e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	9.8300e-003	6.6600e-003	0.0917	2.8000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.7000e-004	9.0600e-003		28.1250	28.1250	7.1000e-004	7.1000e-004	28.3533
Total	**0.0164**	**0.1932**	**0.1578**	**1.0400e-003**	**0.0591**	**1.9300e-003**	**0.0610**	**0.0163**	**1.8500e-003**	**0.0181**		**111.0941**	**111.0941**	**5.4500e-003**	**0.0126**	**114.9868**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0380	0.1646	2.3421	3.1100e-003		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003	0.0000	301.2390	301.2390	0.0974		303.6746
Total	**0.0380**	**0.1646**	**2.3421**	**3.1100e-003**		**5.0600e-003**	**5.0600e-003**		**5.0600e-003**	**5.0600e-003**	**0.0000**	**301.2390**	**301.2390**	**0.0974**		**303.6746**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6800e-003	8.6300e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	9.8300e-003	6.6600e-003	0.0917	2.8000e-004	0.0309	1.8000e-004	0.0311	8.2500e-003	1.7000e-004	8.4200e-003		28.1250	28.1250	7.1000e-004	7.1000e-004	28.3533
Total	**0.0164**	**0.1932**	**0.1578**	**1.0400e-003**	**0.0549**	**1.9300e-003**	**0.0568**	**0.0152**	**1.8500e-003**	**0.0171**		**111.0941**	**111.0941**	**5.4500e-003**	**0.0126**	**114.9868**

3.4 Building Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7064	0.0000	5.7064	0.8640	0.0000	0.8640			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.7064**	**0.0000**	**5.7064**	**0.8640**	**0.0000**	**0.8640**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1054	4.3149	1.1833	0.0159	0.4651	0.0315	0.4966	0.1274	0.0301	0.1575		1,803.3521	1,803.3521	0.1717	0.2888	1,893.7185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1054**	**4.3149**	**1.1833**	**0.0159**	**0.4651**	**0.0315**	**0.4966**	**0.1274**	**0.0301**	**0.1575**		**1,803.3521**	**1,803.3521**	**0.1717**	**0.2888**	**1,893.7185**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4395	0.0000	2.4395	0.3694	0.0000	0.3694			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.4395**	**0.0000**	**2.4395**	**0.3694**	**0.0000**	**0.3694**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1054	4.3149	1.1833	0.0159	0.4334	0.0315	0.4648	0.1196	0.0301	0.1497		1,803.3521	1,803.3521	0.1717	0.2888	1,893.7185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1054**	**4.3149**	**1.1833**	**0.0159**	**0.4334**	**0.0315**	**0.4648**	**0.1196**	**0.0301**	**0.1497**		**1,803.3521**	**1,803.3521**	**0.1717**	**0.2888**	**1,893.7185**

3.5 Asphalt Demolition Debris Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0444	0.0000	4.0444	0.6124	0.0000	0.6124			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.0444**	**0.0000**	**4.0444**	**0.6124**	**0.0000**	**0.6124**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1074	4.3958	1.2055	0.0162	0.4738	0.0321	0.5059	0.1298	0.0307	0.1604		1,837.1650	1,837.1650	0.1749	0.2943	1,929.2257
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1074**	**4.3958**	**1.2055**	**0.0162**	**0.4738**	**0.0321**	**0.5059**	**0.1298**	**0.0307**	**0.1604**		**1,837.1650**	**1,837.1650**	**0.1749**	**0.2943**	**1,929.2257**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7290	0.0000	1.7290	0.2618	0.0000	0.2618			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.7290**	**0.0000**	**1.7290**	**0.2618**	**0.0000**	**0.2618**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1074	4.3958	1.2055	0.0162	0.4415	0.0321	0.4736	0.1218	0.0307	0.1525		1,837.1650	1,837.1650	0.1749	0.2943	1,929.2257
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1074**	**4.3958**	**1.2055**	**0.0162**	**0.4415**	**0.0321**	**0.4736**	**0.1218**	**0.0307**	**0.1525**		**1,837.1650**	**1,837.1650**	**0.1749**	**0.2943**	**1,929.2257**

3.6 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.9659	101.3640	64.0828	0.1609		3.8122	3.8122		3.5072	3.5072		15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**8.9659**	**101.3640**	**64.0828**	**0.1609**	**10.6050**	**3.8122**	**14.4172**	**1.1451**	**3.5072**	**4.6523**		**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0256	1.7500e-003	0.0273	7.3600e-003	1.6800e-003	9.0400e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.1147	0.0777	1.0704	3.2500e-003	0.3912	2.1100e-003	0.3933	0.1038	1.9400e-003	0.1057		328.1253	328.1253	8.2900e-003	8.2400e-003	330.7889
Total	**0.1212**	**0.2642**	**1.1364**	**4.0100e-003**	**0.4168**	**3.8600e-003**	**0.4207**	**0.1111**	**3.6200e-003**	**0.1147**		**411.0944**	**411.0944**	**0.0130**	**0.0201**	**417.4223**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	1.9748	8.5576	74.3756	0.1609		0.2633	0.2633		0.2633	0.2633	0.0000	15,580.7221	15,580.7221	5.0391		15,706.7002
Total	**1.9748**	**8.5576**	**74.3756**	**0.1609**	**4.5336**	**0.2633**	**4.7970**	**0.4895**	**0.2633**	**0.7528**	**0.0000**	**15,580.7221**	**15,580.7221**	**5.0391**		**15,706.7002**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5600e-003	0.1865	0.0660	7.6000e-004	0.0239	1.7500e-003	0.0257	6.9600e-003	1.6800e-003	8.6300e-003		82.9691	82.9691	4.7400e-003	0.0119	86.6334
Worker	0.1147	0.0777	1.0704	3.2500e-003	0.3606	2.1100e-003	0.3627	0.0962	1.9400e-003	0.0982		328.1253	328.1253	8.2900e-003	8.2400e-003	330.7889
Total	**0.1212**	**0.2642**	**1.1364**	**4.0100e-003**	**0.3846**	**3.8600e-003**	**0.3884**	**0.1032**	**3.6200e-003**	**0.1068**		**411.0944**	**411.0944**	**0.0130**	**0.0201**	**417.4223**

3.6 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6050	0.0000	10.6050	1.1451	0.0000	1.1451			0.0000			0.0000
Off-Road	8.5191	92.7414	62.0147	0.1609		3.5061	3.5061		3.2256	3.2256		15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**8.5191**	**92.7414**	**62.0147**	**0.1609**	**10.6050**	**3.5061**	**14.1111**	**1.1451**	**3.2256**	**4.3707**		**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9000e-003	0.1464	0.0600	7.2000e-004	0.0256	7.2000e-004	0.0263	7.3600e-003	6.9000e-004	8.0500e-003		79.0959	79.0959	4.6800e-003	0.0114	82.5978
Worker	0.1077	0.0692	0.9957	3.1400e-003	0.3912	1.9900e-003	0.3932	0.1038	1.8400e-003	0.1056		317.7237	317.7237	7.5100e-003	7.6700e-003	320.1969
Total	**0.1116**	**0.2157**	**1.0557**	**3.8600e-003**	**0.4168**	**2.7100e-003**	**0.4195**	**0.1111**	**2.5300e-003**	**0.1136**		**396.8196**	**396.8196**	**0.0122**	**0.0190**	**402.7947**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5336	0.0000	4.5336	0.4895	0.0000	0.4895			0.0000			0.0000
Off-Road	1.9748	8.5576	74.3756	0.1609		0.2633	0.2633		0.2633	0.2633	0.0000	15,577.2716	15,577.2716	5.0380		15,703.2217
Total	**1.9748**	**8.5576**	**74.3756**	**0.1609**	**4.5336**	**0.2633**	**4.7970**	**0.4895**	**0.2633**	**0.7528**	**0.0000**	**15,577.2716**	**15,577.2716**	**5.0380**		**15,703.2217**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9000e-003	0.1464	0.0600	7.2000e-004	0.0239	7.2000e-004	0.0247	6.9600e-003	6.9000e-004	7.6500e-003		79.0959	79.0959	4.6800e-003	0.0114	82.5978
Worker	0.1077	0.0692	0.9957	3.1400e-003	0.3606	1.9900e-003	0.3626	0.0962	1.8400e-003	0.0981		317.7237	317.7237	7.5100e-003	7.6700e-003	320.1969
Total	**0.1116**	**0.2157**	**1.0557**	**3.8600e-003**	**0.3845**	**2.7100e-003**	**0.3873**	**0.1032**	**2.5300e-003**	**0.1057**		**396.8196**	**396.8196**	**0.0122**	**0.0190**	**402.7947**

3.7 Site Preparation Soil Haul 2022 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1932	7.9111	2.1695	0.0292	0.8527	0.0577	0.9104	0.2335	0.0552	0.2887		3,306.3768	3,306.3768	0.3148	0.5296	3,472.0601
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1932**	**7.9111**	**2.1695**	**0.0292**	**0.8527**	**0.0577**	**0.9104**	**0.2335**	**0.0552**	**0.2887**		**3,306.3768**	**3,306.3768**	**0.3148**	**0.5296**	**3,472.0601**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1932	7.9111	2.1695	0.0292	0.7945	0.0577	0.8523	0.2192	0.0552	0.2745		3,306.3768	3,306.3768	0.3148	0.5296	3,472.0601
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1932**	**7.9111**	**2.1695**	**0.0292**	**0.7945**	**0.0577**	**0.8523**	**0.2192**	**0.0552**	**0.2745**		**3,306.3768**	**3,306.3768**	**0.3148**	**0.5296**	**3,472.0601**

3.8 Site Preparation Soil Haul 2023 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0442	0.0000	0.0442	6.7000e-003	0.0000	6.7000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0442**	**0.0000**	**0.0442**	**6.7000e-003**	**0.0000**	**6.7000e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0959	6.0728	2.0187	0.0275	0.8524	0.0376	0.8900	0.2334	0.0360	0.2694		3,128.8713	3,128.8713	0.3150	0.5019	3,286.3195
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0959**	**6.0728**	**2.0187**	**0.0275**	**0.8524**	**0.0376**	**0.8900**	**0.2334**	**0.0360**	**0.2694**		**3,128.8713**	**3,128.8713**	**0.3150**	**0.5019**	**3,286.3195**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0189	0.0000	0.0189	2.8600e-003	0.0000	2.8600e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0189**	**0.0000**	**0.0189**	**2.8600e-003**	**0.0000**	**2.8600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0959	6.0728	2.0187	0.0275	0.7943	0.0376	0.8319	0.2192	0.0360	0.2551		3,128.8713	3,128.8713	0.3150	0.5019	3,286.3195
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0959**	**6.0728**	**2.0187**	**0.0275**	**0.7943**	**0.0376**	**0.8319**	**0.2192**	**0.0360**	**0.2551**		**3,128.8713**	**3,128.8713**	**0.3150**	**0.5019**	**3,286.3195**

3.9 Retail and Residential Building A Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7168	6.6706	6.0084	0.0127		0.2793	0.2793		0.2608	0.2608		1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.7168**	**6.6706**	**6.0084**	**0.0127**		**0.2793**	**0.2793**		**0.2608**	**0.2608**		**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0887	3.3314	1.3645	0.0164	0.5819	0.0165	0.5983	0.1675	0.0158	0.1832		1,799.4321	1,799.4321	0.1066	0.2584	1,879.0996
Worker	2.8005	1.8000	25.8877	0.0817	10.1717	0.0519	10.2235	2.6976	0.0477	2.7453		8,260.8153	8,260.8153	0.1953	0.1994	8,325.1191
Total	**2.8892**	**5.1314**	**27.2522**	**0.0981**	**10.7535**	**0.0683**	**10.8219**	**2.8650**	**0.0635**	**2.9285**		**10,060.2474**	**10,060.2474**	**0.3018**	**0.4578**	**10,204.2187**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4107	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.5600	1,194.5600	0.3500		1,203.3096
Total	**0.3329**	**1.8463**	**6.4107**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.5600**	**1,194.5600**	**0.3500**		**1,203.3096**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0887	3.3314	1.3645	0.0164	0.5445	0.0165	0.5610	0.1583	0.0158	0.1741		1,799.4321	1,799.4321	0.1066	0.2584	1,879.0996
Worker	2.8005	1.8000	25.8877	0.0817	9.3758	0.0519	9.4276	2.5022	0.0477	2.5500		8,260.8153	8,260.8153	0.1953	0.1994	8,325.1191
Total	**2.8892**	**5.1314**	**27.2522**	**0.0981**	**9.9203**	**0.0683**	**9.9886**	**2.6605**	**0.0635**	**2.7240**		**10,060.2474**	**10,060.2474**	**0.3018**	**0.4578**	**10,204.2187**

3.9 Retail and Residential Building A Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7005	6.3874	5.8937	0.0127		0.2619	0.2619		0.2448	0.2448		1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.7005**	**6.3874**	**5.8937**	**0.0127**		**0.2619**	**0.2619**		**0.2448**	**0.2448**		**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0873	3.3219	1.3538	0.0161	0.5819	0.0172	0.5991	0.1675	0.0165	0.1839		1,771.5818	1,771.5818	0.1077	0.2555	1,850.4027
Worker	2.6405	1.6161	24.1155	0.0791	10.1717	0.0493	10.2209	2.6976	0.0453	2.7429		7,999.1213	7,999.1213	0.1773	0.1864	8,059.1118
Total	**2.7278**	**4.9380**	**25.4692**	**0.0952**	**10.7535**	**0.0665**	**10.8200**	**2.8650**	**0.0618**	**2.9268**		**9,770.7032**	**9,770.7032**	**0.2850**	**0.4419**	**9,909.5145**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4104	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.4011	1,194.4011	0.3499		1,203.1493
Total	**0.3329**	**1.8463**	**6.4104**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.4011**	**1,194.4011**	**0.3499**		**1,203.1493**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0873	3.3219	1.3538	0.0161	0.5445	0.0172	0.5617	0.1583	0.0165	0.1748		1,771.5818	1,771.5818	0.1077	0.2555	1,850.4027
Worker	2.6405	1.6161	24.1155	0.0791	9.3758	0.0493	9.4250	2.5022	0.0453	2.5476		7,999.1213	7,999.1213	0.1773	0.1864	8,059.1118
Total	**2.7278**	**4.9380**	**25.4692**	**0.0952**	**9.9203**	**0.0665**	**9.9868**	**2.6605**	**0.0618**	**2.7223**		**9,770.7032**	**9,770.7032**	**0.2850**	**0.4419**	**9,909.5145**

3.9 Retail and Residential Building A Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0860	3.3059	1.3476	0.0158	0.5819	0.0173	0.5992	0.1675	0.0166	0.1840		1,738.4725	1,738.4725	0.1090	0.2517	1,816.2176
Worker	2.4997	1.4636	22.6524	0.0765	10.1717	0.0471	10.2187	2.6976	0.0433	2.7409		7,727.5715	7,727.5715	0.1613	0.1754	7,783.8570
Total	**2.5857**	**4.7694**	**24.0000**	**0.0922**	**10.7535**	**0.0644**	**10.8179**	**2.8650**	**0.0599**	**2.9249**		**9,466.0440**	**9,466.0440**	**0.2703**	**0.4271**	**9,600.0747**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4104	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.3329**	**1.8463**	**6.4104**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0860	3.3059	1.3476	0.0158	0.5445	0.0173	0.5618	0.1583	0.0166	0.1749		1,738.4725	1,738.4725	0.1090	0.2517	1,816.2176
Worker	2.4997	1.4636	22.6524	0.0765	9.3758	0.0471	9.4229	2.5022	0.0433	2.5455		7,727.5715	7,727.5715	0.1613	0.1754	7,783.8570
Total	**2.5857**	**4.7694**	**24.0000**	**0.0922**	**9.9203**	**0.0644**	**9.9847**	**2.6605**	**0.0599**	**2.7204**		**9,466.0440**	**9,466.0440**	**0.2703**	**0.4271**	**9,600.0747**

3.10 Retail Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.1460					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**26.5294**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5601	0.3600	5.1776	0.0164	2.0343	0.0104	2.0447	0.5395	9.5500e-003	0.5491		1,652.1631	1,652.1631	0.0391	0.0399	1,665.0238
Total	**0.5601**	**0.3600**	**5.1776**	**0.0164**	**2.0343**	**0.0104**	**2.0447**	**0.5395**	**9.5500e-003**	**0.5491**		**1,652.1631**	**1,652.1631**	**0.0391**	**0.0399**	**1,665.0238**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.1460					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**26.2055**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5601	0.3600	5.1776	0.0164	1.8752	0.0104	1.8855	0.5004	9.5500e-003	0.5100		1,652.1631	1,652.1631	0.0391	0.0399	1,665.0238
Total	**0.5601**	**0.3600**	**5.1776**	**0.0164**	**1.8752**	**0.0104**	**1.8855**	**0.5004**	**9.5500e-003**	**0.5100**		**1,652.1631**	**1,652.1631**	**0.0391**	**0.0399**	**1,665.0238**

3.11 Finishing and Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4513	5.2891	2.1082	8.4200e-003		0.1715	0.1715		0.1578	0.1578		815.1913	815.1913	0.2637		821.7826
Total	**0.4513**	**5.2891**	**2.1082**	**8.4200e-003**		**0.1715**	**0.1715**		**0.1578**	**0.1578**		**815.1913**	**815.1913**	**0.2637**		**821.7826**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7000e-003	5.3300e-003	0.0795	2.6000e-004	0.0335	1.6000e-004	0.0337	8.8900e-003	1.5000e-004	9.0400e-003		26.3707	26.3707	5.8000e-004	6.1000e-004	26.5685
Total	**8.7000e-003**	**5.3300e-003**	**0.0795**	**2.6000e-004**	**0.0335**	**1.6000e-004**	**0.0337**	**8.8900e-003**	**1.5000e-004**	**9.0400e-003**		**26.3707**	**26.3707**	**5.8000e-004**	**6.1000e-004**	**26.5685**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1033	0.4475	3.7862	8.4200e-003		0.0138	0.0138		0.0138	0.0138	0.0000	815.1913	815.1913	0.2637		821.7826
Total	**0.1033**	**0.4475**	**3.7862**	**8.4200e-003**		**0.0138**	**0.0138**		**0.0138**	**0.0138**	**0.0000**	**815.1913**	**815.1913**	**0.2637**		**821.7826**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7000e-003	5.3300e-003	0.0795	2.6000e-004	0.0309	1.6000e-004	0.0311	8.2500e-003	1.5000e-004	8.4000e-003		26.3707	26.3707	5.8000e-004	6.1000e-004	26.5685
Total	**8.7000e-003**	**5.3300e-003**	**0.0795**	**2.6000e-004**	**0.0309**	**1.6000e-004**	**0.0311**	**8.2500e-003**	**1.5000e-004**	**8.4000e-003**		**26.3707**	**26.3707**	**5.8000e-004**	**6.1000e-004**	**26.5685**

3.12 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4666	4.9575	5.6292	0.0128		0.2106	0.2106		0.1938	0.1938		1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.3390**	**4.9575**	**5.6292**	**0.0128**		**0.2106**	**0.2106**		**0.1938**	**0.1938**		**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0232	0.0142	0.2120	7.0000e-004	0.0894	4.3000e-004	0.0899	0.0237	4.0000e-004	0.0241		70.3220	70.3220	1.5600e-003	1.6400e-003	70.8493
Total	**0.0232**	**0.0142**	**0.2120**	**7.0000e-004**	**0.0894**	**4.3000e-004**	**0.0899**	**0.0237**	**4.0000e-004**	**0.0241**		**70.3220**	**70.3220**	**1.5600e-003**	**1.6400e-003**	**70.8493**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1561	0.6765	7.5384	0.0128		0.0208	0.0208		0.0208	0.0208	0.0000	1,234.0097	1,234.0097	0.3991		1,243.9873
Paving	3.8724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0285**	**0.6765**	**7.5384**	**0.0128**		**0.0208**	**0.0208**		**0.0208**	**0.0208**	**0.0000**	**1,234.0097**	**1,234.0097**	**0.3991**		**1,243.9873**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0232	0.0142	0.2120	7.0000e-004	0.0824	4.3000e-004	0.0829	0.0220	4.0000e-004	0.0224		70.3220	70.3220	1.5600e-003	1.6400e-003	70.8493
Total	**0.0232**	**0.0142**	**0.2120**	**7.0000e-004**	**0.0824**	**4.3000e-004**	**0.0829**	**0.0220**	**4.0000e-004**	**0.0224**		**70.3220**	**70.3220**	**1.5600e-003**	**1.6400e-003**	**70.8493**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Residential Building A Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	**41.7249**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**		**562.8961**	**562.8961**	**0.0307**		**563.6637**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4999	0.2927	4.5305	0.0153	2.0343	9.4100e-003	2.0437	0.5395	8.6600e-003	0.5482		1,545.5143	1,545.5143	0.0323	0.0351	1,556.7714
Total	**0.4999**	**0.2927**	**4.5305**	**0.0153**	**2.0343**	**9.4100e-003**	**2.0437**	**0.5395**	**8.6600e-003**	**0.5482**		**1,545.5143**	**1,545.5143**	**0.0323**	**0.0351**	**1,556.7714**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.3832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
Total	**41.4426**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0307**		**563.6637**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4999	0.2927	4.5305	0.0153	1.8752	9.4100e-003	1.8846	0.5004	8.6600e-003	0.5091		1,545.5143	1,545.5143	0.0323	0.0351	1,556.7714
Total	**0.4999**	**0.2927**	**4.5305**	**0.0153**	**1.8752**	**9.4100e-003**	**1.8846**	**0.5004**	**8.6600e-003**	**0.5091**		**1,545.5143**	**1,545.5143**	**0.0323**	**0.0351**	**1,556.7714**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Residential Building B Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0475	1.8397	0.7524	8.6600e-003	0.3261	9.7000e-003	0.3358	0.0939	9.2700e-003	0.1031		955.6665	955.6665	0.0618	0.1389	998.6110
Worker	2.3771	1.3388	21.4239	0.0741	10.1717	0.0448	10.2164	2.6976	0.0412	2.7388		7,489.9575	7,489.9575	0.1475	0.1663	7,543.1888
Total	**2.4245**	**3.1785**	**22.1763**	**0.0828**	**10.4977**	**0.0545**	**10.5522**	**2.7914**	**0.0505**	**2.8419**		**8,445.6241**	**8,445.6241**	**0.2093**	**0.3052**	**8,541.7997**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4104	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.3329**	**1.8463**	**6.4104**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0475	1.8397	0.7524	8.6600e-003	0.3052	9.7000e-003	0.3148	0.0887	9.2700e-003	0.0980		955.6665	955.6665	0.0618	0.1389	998.6110
Worker	2.3771	1.3388	21.4239	0.0741	9.3758	0.0448	9.4206	2.5022	0.0412	2.5434		7,489.9575	7,489.9575	0.1475	0.1663	7,543.1888
Total	**2.4245**	**3.1785**	**22.1763**	**0.0828**	**9.6809**	**0.0545**	**9.7354**	**2.5909**	**0.0505**	**2.6414**		**8,445.6241**	**8,445.6241**	**0.2093**	**0.3052**	**8,541.7997**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Residential Building B Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0468	1.8261	0.7498	8.4700e-003	0.3261	9.6700e-003	0.3358	0.0939	9.2500e-003	0.1031		936.1368	936.1368	0.0622	0.1366	978.4023
Worker	2.2628	1.2341	20.3794	0.0720	10.1717	0.0421	10.2138	2.6976	0.0388	2.7363		7,278.2809	7,278.2809	0.1357	0.1587	7,328.9588
Total	**2.3095**	**3.0602**	**21.1292**	**0.0805**	**10.4977**	**0.0518**	**10.5495**	**2.7914**	**0.0480**	**2.8394**		**8,214.4177**	**8,214.4177**	**0.1979**	**0.2953**	**8,307.3611**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4104	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.3329**	**1.8463**	**6.4104**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0468	1.8261	0.7498	8.4700e-003	0.3051	9.6700e-003	0.3148	0.0887	9.2500e-003	0.0980		936.1368	936.1368	0.0622	0.1366	978.4023
Worker	2.2628	1.2341	20.3794	0.0720	9.3758	0.0421	9.4179	2.5022	0.0388	2.5410		7,278.2809	7,278.2809	0.1357	0.1587	7,328.9588
Total	**2.3095**	**3.0602**	**21.1292**	**0.0805**	**9.6809**	**0.0518**	**9.7327**	**2.5909**	**0.0480**	**2.6390**		**8,214.4177**	**8,214.4177**	**0.1979**	**0.2953**	**8,307.3611**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Residential Building B Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6701	5.9234	5.7359	0.0127		0.2367	0.2367		0.2215	0.2215		1,194.5378	1,194.5378	0.3500		1,203.2871
Total	**0.6701**	**5.9234**	**5.7359**	**0.0127**		**0.2367**	**0.2367**		**0.2215**	**0.2215**		**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0462	1.8140	0.7489	8.2800e-003	0.3261	9.6300e-003	0.3357	0.0938	9.2100e-003	0.1031		917.4859	917.4859	0.0628	0.1344	959.0942
Worker	2.1553	1.1461	19.5027	0.0702	10.1717	0.0393	10.2110	2.6976	0.0362	2.7337		7,090.9837	7,090.9837	0.1254	0.1524	7,139.5241
Total	**2.2015**	**2.9601**	**20.2516**	**0.0784**	**10.4977**	**0.0489**	**10.5467**	**2.7914**	**0.0454**	**2.8368**		**8,008.4696**	**8,008.4696**	**0.1883**	**0.2867**	**8,098.6182**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	1.8463	6.4104	0.0127		0.0650	0.0650		0.0650	0.0650	0.0000	1,194.5378	1,194.5378	0.3500		1,203.2871

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	**0.3329**	**1.8463**	**6.4104**	**0.0127**		**0.0650**	**0.0650**		**0.0650**	**0.0650**	**0.0000**	**1,194.5378**	**1,194.5378**	**0.3500**		**1,203.2871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0462	1.8140	0.7489	8.2800e-003	0.3051	9.6300e-003	0.3148	0.0887	9.2100e-003	0.0979		917.4859	917.4859	0.0628	0.1344	959.0942
Worker	2.1553	1.1461	19.5027	0.0702	9.3758	0.0393	9.4151	2.5022	0.0362	2.5384		7,090.9837	7,090.9837	0.1254	0.1524	7,139.5241
Total	**2.2015**	**2.9601**	**20.2516**	**0.0784**	**9.6809**	**0.0489**	**9.7299**	**2.5909**	**0.0454**	**2.6363**		**8,008.4696**	**8,008.4696**	**0.1883**	**0.2867**	**8,098.6182**

3.15 Residential Building B Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.7005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	**36.0422**	**2.2910**	**3.6183**	**5.9400e-003**		**0.1030**	**0.1030**		**0.1030**	**0.1030**		**562.8961**	**562.8961**	**0.0307**		**563.6637**

Unmitigated Construction Off-Site

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4311	0.2292	3.9006	0.0140	2.0343	7.8600e-003	2.0422	0.5395	7.2300e-003	0.5468		1,418.1967	1,418.1967	0.0251	0.0305	1,427.9048
Total	**0.4311**	**0.2292**	**3.9006**	**0.0140**	**2.0343**	**7.8600e-003**	**2.0422**	**0.5395**	**7.2300e-003**	**0.5468**		**1,418.1967**	**1,418.1967**	**0.0251**	**0.0305**	**1,427.9048**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.7005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
Total	**35.7599**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0307**		**563.6637**

Brea Mall Mixed-Use Project (Option 2) Mitigated Construction Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4311	0.2292	3.9006	0.0140	1.8752	7.8600e-003	1.8830	0.5004	7.2300e-003	0.5077		1,418.1967	1,418.1967	0.0251	0.0305	1,427.9048
Total	**0.4311**	**0.2292**	**3.9006**	**0.0140**	**1.8752**	**7.8600e-003**	**1.8830**	**0.5004**	**7.2300e-003**	**0.5077**		**1,418.1967**	**1,418.1967**	**0.0251**	**0.0305**	**1,427.9048**

CalEEMod Existing Conditions Model

Brea Mall Existing Conditions 2021 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Brea Mall Existing Conditions 2021 Run

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	760.83	1000sqft	0.00	760,830.00	0
Other Asphalt Surfaces	1,274.57	1000sqft	29.26	1,274,566.00	0
Parking Lot	1,160.44	1000sqft	26.64	1,160,438.00	0
Regional Shopping Center	1,291.43	1000sqft	18.10	1,291,430.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	531.43634	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.00617

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2020 SCE Sustainability Report

Land Use - mall has multiple stories

Construction Phase -

Vehicle Trips - based on info provided by LLG see assumptions file for calculations

Area Coating - accounts only for parking area, see assumptions file for calculations

Energy Use -

Water And Wastewater - Based on the California Department of Water Resource Water Budget Workbook for New and Rehabilitated Non-Residential Landscapes. Assumes 174,265 sqft of landscaping

Brea Mall Existing Conditions 2021 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water Mitigation -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	645715	645717
tblAreaCoating	Area_Nonresidential_Interior	1937145	1937150
tblAreaCoating	Area_Parking	191750	115276
tblLandUse	LandUseSquareFeet	1,274,570.00	1,274,566.00
tblLandUse	LandUseSquareFeet	1,160,440.00	1,160,438.00
tblLandUse	LotAcreage	17.47	0.00
tblLandUse	LotAcreage	29.65	18.10
tblProjectCharacteristics	CO2IntensityFactor	390.98	531.43634
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.00617
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	ST_TR	46.12	30.34
tblVehicleTrips	SU_TR	21.10	18.99
tblVehicleTrips	WD_TR	37.75	23.86
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	58,630,001.68	2,013,606.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

Brea Mall Existing Conditions 2021 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.5039	5.4000e-004	0.0578	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1114	0.1114	3.0000e-004	0.0000	0.1189
Energy	0.0147	0.1336	0.1122	8.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	5,811.6615	5,811.6615	0.3546	0.0685	5,840.9260
Mobile	18.7297	28.5618	201.8616	0.4249	40.3331	0.4635	40.7966	10.7682	0.4352	11.2034	0.0000	39,216.3512	39,216.3512	2.5930	1.7611	39,805.9810
Waste						0.0000	0.0000		0.0000	0.0000	275.2558	0.0000	275.2558	16.2672	0.0000	681.9345
Water						0.0000	0.0000		0.0000	0.0000	33.8445	305.6471	339.4915	0.1355	0.0772	365.8687
Total	**24.2484**	**28.6959**	**202.0317**	**0.4257**	**40.3331**	**0.4739**	**40.8069**	**10.7682**	**0.4455**	**11.2137**	**309.1002**	**45,333.7711**	**45,642.8714**	**19.3506**	**1.9067**	**46,694.8290**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.5039	5.4000e-004	0.0578	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1114	0.1114	3.0000e-004	0.0000	0.1189

Brea Mall Existing Conditions 2021 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Energy	0.0147	0.1336	0.1122	8.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	5,811.6615	5,811.6615	0.3546	0.0685	5,840.9260
Mobile	18.7297	28.5618	201.8616	0.4249	40.3331	0.4635	40.7966	10.7682	0.4352	11.2034	0.0000	39,216.3512	39,216.3512	2.5930	1.7611	39,805.9810
Waste						0.0000	0.0000		0.0000	0.0000	275.2558	0.0000	275.2558	16.2672	0.0000	681.9345
Water						0.0000	0.0000		0.0000	0.0000	27.0756	245.5962	272.6718	0.1084	0.0617	293.7789
Total	**24.2484**	**28.6959**	**202.0317**	**0.4257**	**40.3331**	**0.4739**	**40.8069**	**10.7682**	**0.4455**	**11.2137**	**302.3313**	**45,273.7203**	**45,576.0516**	**19.3236**	**1.8913**	**46,622.7392**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**2.19**	**0.13**	**0.15**	**0.14**	**0.81**	**0.15**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	18.7297	28.5618	201.8616	0.4249	40.3331	0.4635	40.7966	10.7682	0.4352	11.2034	0.0000	39,216.3512	39,216.3512	2.5930	1.7611	39,805.9810
Unmitigated	18.7297	28.5618	201.8616	0.4249	40.3331	0.4635	40.7966	10.7682	0.4352	11.2034	0.0000	39,216.3512	39,216.3512	2.5930	1.7611	39,805.9810

Brea Mall Existing Conditions 2021 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	30,813.52	39,181.99	24524.26	107,032,184	107,032,184
Total	30,813.52	39,181.99	24,524.26	107,032,184	107,032,184

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Other Asphalt Surfaces	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Parking Lot	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Regional Shopping Center	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277

5.0 Energy Detail

Historical Energy Use: Y

Brea Mall Existing Conditions 2021 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,666.2496	5,666.2496	0.3519	0.0658	5,694.6499
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,666.2496	5,666.2496	0.3519	0.0658	5,694.6499
NaturalGas Mitigated	0.0147	0.1336	0.1122	8.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	145.4120	145.4120	2.7900e-003	2.6700e-003	146.2761
NaturalGas Unmitigated	0.0147	0.1336	0.1122	8.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	145.4120	145.4120	2.7900e-003	2.6700e-003	146.2761

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.72492e+006	0.0147	0.1336	0.1122	8.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	145.4120	145.4120	2.7900e-003	2.6700e-003	146.2761
Total		**0.0147**	**0.1336**	**0.1122**	**8.0000e-004**		**0.0102**	**0.0102**		**0.0102**	**0.0102**	**0.0000**	**145.4120**	**145.4120**	**2.7900e-003**	**2.6700e-003**	**146.2761**

Brea Mall Existing Conditions 2021 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.72492e+006	0.0147	0.1336	0.1122	8.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	145.4120	145.4120	2.7900e-003	2.6700e-003	146.2761
Total		**0.0147**	**0.1336**	**0.1122**	**8.0000e-004**		**0.0102**	**0.0102**		**0.0102**	**0.0102**	**0.0000**	**145.4120**	**145.4120**	**2.7900e-003**	**2.6700e-003**	**146.2761**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	5.12799e+006	1,236.1311	0.0768	0.0144	1,242.3268
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1.02119e+006	246.1623	0.0153	2.8600e-003	247.3962
Regional Shopping Center	1.73568e+007	4,183.9562	0.2598	0.0486	4,204.9270
Total		**5,666.2496**	**0.3519**	**0.0658**	**5,694.6499**

Brea Mall Existing Conditions 2021 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	5.12799e+006	1,236.1311	0.0768	0.0144	1,242.3268
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1.02119e+006	246.1623	0.0153	2.8600e-003	247.3962
Regional Shopping Center	1.73568e+007	4,183.9562	0.2598	0.0486	4,204.9270
Total		**5,666.2496**	**0.3519**	**0.0658**	**5,694.6499**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.5039	5.4000e-004	0.0578	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1114	0.1114	3.0000e-004	0.0000	0.1189
Unmitigated	5.5039	5.4000e-004	0.0578	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1114	0.1114	3.0000e-004	0.0000	0.1189

Brea Mall Existing Conditions 2021 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6253					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.8732					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.4800e-003	5.4000e-004	0.0578	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1114	0.1114	3.0000e-004	0.0000	0.1189
Total	**5.5039**	**5.4000e-004**	**0.0578**	**0.0000**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**0.1114**	**0.1114**	**3.0000e-004**	**0.0000**	**0.1189**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6253					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.8732					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.4800e-003	5.4000e-004	0.0578	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1114	0.1114	3.0000e-004	0.0000	0.1189
Total	**5.5039**	**5.4000e-004**	**0.0578**	**0.0000**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**0.1114**	**0.1114**	**3.0000e-004**	**0.0000**	**0.1189**

Brea Mall Existing Conditions 2021 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	272.6718	0.1084	0.0617	293.7789
Unmitigated	339.4915	0.1355	0.0772	365.8687

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	95.6595 / 2.01361	339.4915	0.1355	0.0772	365.8687
Total		**339.4915**	**0.1355**	**0.0772**	**365.8687**

Brea Mall Existing Conditions 2021 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	76.5276 / 2.01361	272.6718	0.1084	0.0617	293.7789
Total		**272.6718**	**0.1084**	**0.0617**	**293.7789**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	275.2558	16.2672	0.0000	681.9345
Unmitigated	275.2558	16.2672	0.0000	681.9345

Brea Mall Existing Conditions 2021 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1356	275.2558	16.2672	0.0000	681.9345
Total		**275.2558**	**16.2672**	**0.0000**	**681.9345**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1356	275.2558	16.2672	0.0000	681.9345
Total		**275.2558**	**16.2672**	**0.0000**	**681.9345**

Brea Mall Existing Conditions 2021 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Brea Mall Existing Conditions 2021 Run

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	760.83	1000sqft	0.00	760,830.00	0
Other Asphalt Surfaces	1,274.57	1000sqft	29.26	1,274,566.00	0
Parking Lot	1,160.44	1000sqft	26.64	1,160,438.00	0
Regional Shopping Center	1,291.43	1000sqft	18.10	1,291,430.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	531.43634	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.00617

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2020 SCE Sustainability Report

Land Use - mall has multiple stories

Construction Phase -

Vehicle Trips - based on info provided by LLG see assumptions file for calculations

Area Coating - accounts only for parking area, see assumptions file for calculations

Energy Use -

Water And Wastewater - Based on the California Department of Water Resource Water Budget Workbook for New and Rehabilitated Non-Residential Landscapes. Assumes 174,265 sqft of landscaping

Brea Mall Existing Conditions 2021 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water Mitigation -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	645715	645717
tblAreaCoating	Area_Nonresidential_Interior	1937145	1937150
tblAreaCoating	Area_Parking	191750	115276
tblLandUse	LandUseSquareFeet	1,274,570.00	1,274,566.00
tblLandUse	LandUseSquareFeet	1,160,440.00	1,160,438.00
tblLandUse	LotAcreage	17.47	0.00
tblLandUse	LotAcreage	29.65	18.10
tblProjectCharacteristics	CO2IntensityFactor	390.98	531.43634
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.00617
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	ST_TR	46.12	30.34
tblVehicleTrips	SU_TR	21.10	18.99
tblVehicleTrips	WD_TR	37.75	23.86
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	58,630,001.68	2,013,606.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

Brea Mall Existing Conditions 2021 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.1724	4.3000e-003	0.4626	3.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003		0.9821	0.9821	2.6600e-003		1.0486
Energy	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Mobile	132.8810	181.8035	1,416.8424	3.0306	284.1359	3.2101	287.3460	75.7509	3.0140	78.7649		308,281.3184	308,281.3184	19.2828	12.7562	312,564.7274
Total	**163.1339**	**182.5397**	**1,417.9199**	**3.0350**	**284.1359**	**3.2674**	**287.4033**	**75.7509**	**3.0713**	**78.8221**		**309,160.5978**	**309,160.5978**	**19.3023**	**12.7723**	**313,449.2926**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.1724	4.3000e-003	0.4626	3.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003		0.9821	0.9821	2.6600e-003		1.0486
Energy	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Mobile	132.8810	181.8035	1,416.8424	3.0306	284.1359	3.2101	287.3460	75.7509	3.0140	78.7649		308,281.3184	308,281.3184	19.2828	12.7562	312,564.7274
Total	**163.1339**	**182.5397**	**1,417.9199**	**3.0350**	**284.1359**	**3.2674**	**287.4033**	**75.7509**	**3.0713**	**78.8221**		**309,160.5978**	**309,160.5978**	**19.3023**	**12.7723**	**313,449.2926**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

Brea Mall Existing Conditions 2021 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	132.8810	181.8035	1,416.8424	3.0306	284.1359	3.2101	287.3460	75.7509	3.0140	78.7649		308,281.3184	308,281.3184	19.2828	12.7562	312,564.7274
Unmitigated	132.8810	181.8035	1,416.8424	3.0306	284.1359	3.2101	287.3460	75.7509	3.0140	78.7649		308,281.3184	308,281.3184	19.2828	12.7562	312,564.7274

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	30,813.52	39,181.99	24524.26	107,032,184	107,032,184
Total	30,813.52	39,181.99	24,524.26	107,032,184	107,032,184

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Other Asphalt Surfaces	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Parking Lot	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Regional Shopping Center	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277

Brea Mall Existing Conditions 2021 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
NaturalGas Unmitigated	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7465.53	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Total		**0.0805**	**0.7319**	**0.6148**	**4.3900e-003**		**0.0556**	**0.0556**		**0.0556**	**0.0556**		**878.2973**	**878.2973**	**0.0168**	**0.0161**	**883.5166**

Brea Mall Existing Conditions 2021 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.46553	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Total		**0.0805**	**0.7319**	**0.6148**	**4.3900e-003**		**0.0556**	**0.0556**		**0.0556**	**0.0556**		**878.2973**	**878.2973**	**0.0168**	**0.0161**	**883.5166**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.1724	4.3000e-003	0.4626	3.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003		0.9821	0.9821	2.6600e-003		1.0486
Unmitigated	30.1724	4.3000e-003	0.4626	3.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003		0.9821	0.9821	2.6600e-003		1.0486

Brea Mall Existing Conditions 2021 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.7023					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0438	4.3000e-003	0.4626	3.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003		0.9821	0.9821	2.6600e-003		1.0486
Total	**30.1724**	**4.3000e-003**	**0.4626**	**3.0000e-005**		**1.6600e-003**	**1.6600e-003**		**1.6600e-003**	**1.6600e-003**		**0.9821**	**0.9821**	**2.6600e-003**		**1.0486**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.7023					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0438	4.3000e-003	0.4626	3.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003		0.9821	0.9821	2.6600e-003		1.0486
Total	**30.1724**	**4.3000e-003**	**0.4626**	**3.0000e-005**		**1.6600e-003**	**1.6600e-003**		**1.6600e-003**	**1.6600e-003**		**0.9821**	**0.9821**	**2.6600e-003**		**1.0486**

Brea Mall Existing Conditions 2021 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

Brea Mall Existing Conditions 2021 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Brea Mall Existing Conditions 2021 Run

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	760.83	1000sqft	0.00	760,830.00	0
Other Asphalt Surfaces	1,274.57	1000sqft	29.26	1,274,566.00	0
Parking Lot	1,160.44	1000sqft	26.64	1,160,438.00	0
Regional Shopping Center	1,291.43	1000sqft	18.10	1,291,430.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	531.43634	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.00617

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2020 SCE Sustainability Report

Land Use - mall has multiple stories

Construction Phase -

Vehicle Trips - based on info provided by LLG see assumptions file for calculations

Area Coating - accounts only for parking area, see assumptions file for calculations

Energy Use -

Water And Wastewater - Based on the California Department of Water Resource Water Budget Workbook for New and Rehabilitated Non-Residential Landscapes. Assumes 174,265 sqft of landscaping

Brea Mall Existing Conditions 2021 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water Mitigation -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	645715	645717
tblAreaCoating	Area_Nonresidential_Interior	1937145	1937150
tblAreaCoating	Area_Parking	191750	115276
tblLandUse	LandUseSquareFeet	1,274,570.00	1,274,566.00
tblLandUse	LandUseSquareFeet	1,160,440.00	1,160,438.00
tblLandUse	LotAcreage	17.47	0.00
tblLandUse	LotAcreage	29.65	18.10
tblProjectCharacteristics	CO2IntensityFactor	390.98	531.43634
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.00617
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	ST_TR	46.12	30.34
tblVehicleTrips	SU_TR	21.10	18.99
tblVehicleTrips	WD_TR	37.75	23.86
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	58,630,001.68	2,013,606.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

Brea Mall Existing Conditions 2021 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.1724	4.3000e-003	0.4626	3.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003		0.9821	0.9821	2.6600e-003		1.0486
Energy	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Mobile	132.6337	194.4259	1,383.5549	2.9118	284.1359	3.2127	287.3486	75.7509	3.0165	78.7673		296,238.9762	296,238.9762	19.8898	13.3377	300,710.8519
Total	**162.8866**	**195.1621**	**1,384.6323**	**2.9162**	**284.1359**	**3.2700**	**287.4059**	**75.7509**	**3.0737**	**78.8246**		**297,118.2555**	**297,118.2555**	**19.9093**	**13.3538**	**301,595.4171**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.1724	4.3000e-003	0.4626	3.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003		0.9821	0.9821	2.6600e-003		1.0486
Energy	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Mobile	132.6337	194.4259	1,383.5549	2.9118	284.1359	3.2127	287.3486	75.7509	3.0165	78.7673		296,238.9762	296,238.9762	19.8898	13.3377	300,710.8519
Total	**162.8866**	**195.1621**	**1,384.6323**	**2.9162**	**284.1359**	**3.2700**	**287.4059**	**75.7509**	**3.0737**	**78.8246**		**297,118.2555**	**297,118.2555**	**19.9093**	**13.3538**	**301,595.4171**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

Brea Mall Existing Conditions 2021 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	132.6337	194.4259	1,383.5549	2.9118	284.1359	3.2127	287.3486	75.7509	3.0165	78.7673		296,238.9762	296,238.9762	19.8898	13.3377	300,710.8510
Unmitigated	132.6337	194.4259	1,383.5549	2.9118	284.1359	3.2127	287.3486	75.7509	3.0165	78.7673		296,238.9762	296,238.9762	19.8898	13.3377	300,710.8510

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	30,813.52	39,181.99	24524.26	107,032,184	107,032,184
Total	30,813.52	39,181.99	24,524.26	107,032,184	107,032,184

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	100	0	0

Brea Mall Existing Conditions 2021 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Other Asphalt Surfaces	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Parking Lot	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Regional Shopping Center	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
NaturalGas Unmitigated	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7465.53	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Total		**0.0805**	**0.7319**	**0.6148**	**4.3900e-003**		**0.0556**	**0.0556**		**0.0556**	**0.0556**		**878.2973**	**878.2973**	**0.0168**	**0.0161**	**883.5166**

Brea Mall Existing Conditions 2021 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.46553	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Total		**0.0805**	**0.7319**	**0.6148**	**4.3900e-003**		**0.0556**	**0.0556**		**0.0556**	**0.0556**		**878.2973**	**878.2973**	**0.0168**	**0.0161**	**883.5166**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.1724	4.3000e-003	0.4626	3.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003		0.9821	0.9821	2.6600e-003		1.0486
Unmitigated	30.1724	4.3000e-003	0.4626	3.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003		0.9821	0.9821	2.6600e-003		1.0486

Brea Mall Existing Conditions 2021 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.7023					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0438	4.3000e-003	0.4626	3.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003		0.9821	0.9821	2.6600e-003		1.0486
Total	**30.1724**	**4.3000e-003**	**0.4626**	**3.0000e-005**		**1.6600e-003**	**1.6600e-003**		**1.6600e-003**	**1.6600e-003**		**0.9821**	**0.9821**	**2.6600e-003**		**1.0486**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.7023					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0438	4.3000e-003	0.4626	3.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003		0.9821	0.9821	2.6600e-003		1.0486
Total	**30.1724**	**4.3000e-003**	**0.4626**	**3.0000e-005**		**1.6600e-003**	**1.6600e-003**		**1.6600e-003**	**1.6600e-003**		**0.9821**	**0.9821**	**2.6600e-003**		**1.0486**

7.0 Water Detail

Brea Mall Existing Conditions 2021 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

Brea Mall Existing Conditions 2026 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Brea Mall Existing Conditions 2026 Run

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	760.83	1000sqft	0.00	760,830.00	0
Other Asphalt Surfaces	1,274.57	1000sqft	29.26	1,274,566.00	0
Parking Lot	1,160.44	1000sqft	26.64	1,160,438.00	0
Regional Shopping Center	1,291.43	1000sqft	18.10	1,291,430.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2020 SCE Sustainability Report

Land Use - mall has multiple stories

Construction Phase -

Vehicle Trips - based on info provided by LLG see assumptions file for calculations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Brea Mall Existing Conditions 2026 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Area Coating - accounts only for parking area, see assumptions file for calculations

Energy Use -

Water And Wastewater - Based on the California Department of Water Resource Water Budget Workbook for New and Rehabilitated Non-Residential Landscapes. Assumes 174,365 sqft of landscaping.

Water Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	645715	645717
tblAreaCoating	Area_Nonresidential_Interior	1937145	1937150
tblAreaCoating	Area_Parking	191750	115276
tblLandUse	LandUseSquareFeet	1,274,570.00	1,274,566.00
tblLandUse	LandUseSquareFeet	1,160,440.00	1,160,438.00
tblLandUse	LotAcreage	17.47	0.00
tblLandUse	LotAcreage	29.65	18.10
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	ST_TR	46.12	30.34
tblVehicleTrips	SU_TR	21.10	18.99
tblVehicleTrips	WD_TR	37.75	23.86
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	58,630,001.68	2,013,606.00
tblWater	SepticTankPercent	10.33	0.00

Brea Mall Existing Conditions 2026 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.5037	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1114	0.1114	2.9000e-004	0.0000	0.1186
Energy	0.0147	0.1336	0.1122	8.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	5,582.8910	5,582.8910	0.3546	0.0453	5,605.2607
Mobile	14.1367	15.4845	145.6723	0.3418	40.3204	0.2332	40.5537	10.7626	0.2168	10.9795	0.0000	32,611.4721	32,611.4721	1.9247	1.3274	33,055.1504
Waste						0.0000	0.0000		0.0000	0.0000	275.2558	0.0000	275.2558	16.2672	0.0000	681.9345
Water						0.0000	0.0000		0.0000	0.0000	33.8445	293.3068	327.1513	0.1355	0.0759	353.1565
Total	**19.6551**	**15.6186**	**145.8417**	**0.3426**	**40.3204**	**0.2436**	**40.5640**	**10.7626**	**0.2272**	**10.9898**	**309.1002**	**38,487.7812**	**38,796.8815**	**18.6823**	**1.4486**	**39,695.6206**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.5037	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1114	0.1114	2.9000e-004	0.0000	0.1186
Energy	0.0147	0.1336	0.1122	8.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	5,582.8910	5,582.8910	0.3546	0.0453	5,605.2607
Mobile	14.1367	15.4845	145.6723	0.3418	40.3204	0.2332	40.5537	10.7626	0.2168	10.9795	0.0000	32,611.4721	32,611.4721	1.9247	1.3274	33,055.1504
Waste						0.0000	0.0000		0.0000	0.0000	275.2558	0.0000	275.2558	16.2672	0.0000	681.9345
Water						0.0000	0.0000		0.0000	0.0000	27.0756	235.6804	262.7560	0.1084	0.0607	283.5643
Total	**19.6551**	**15.6186**	**145.8417**	**0.3426**	**40.3204**	**0.2436**	**40.5640**	**10.7626**	**0.2272**	**10.9898**	**302.3313**	**38,430.1549**	**38,732.4862**	**18.6553**	**1.4334**	**39,626.0284**

Brea Mall Existing Conditions 2026 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**2.19**	**0.15**	**0.17**	**0.14**	**1.05**	**0.18**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	14.1367	15.4845	145.6723	0.3418	40.3204	0.2332	40.5537	10.7626	0.2168	10.9795	0.0000	32,611.4721	32,611.4721	1.9247	1.3274	33,055.1504
Unmitigated	14.1367	15.4845	145.6723	0.3418	40.3204	0.2332	40.5537	10.7626	0.2168	10.9795	0.0000	32,611.4721	32,611.4721	1.9247	1.3274	33,055.1504

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	30,813.52	39,181.99	24524.26	107,032,184	107,032,184
Total	30,813.52	39,181.99	24,524.26	107,032,184	107,032,184

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	100	0	0

Brea Mall Existing Conditions 2026 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732
Other Asphalt Surfaces	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732
Parking Lot	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732
Regional Shopping Center	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,437.4790	5,437.4790	0.3519	0.0427	5,458.9846
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,437.4790	5,437.4790	0.3519	0.0427	5,458.9846
NaturalGas Mitigated	0.0147	0.1336	0.1122	8.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	145.4120	145.4120	2.7900e-003	2.6700e-003	146.2761
NaturalGas Unmitigated	0.0147	0.1336	0.1122	8.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	145.4120	145.4120	2.7900e-003	2.6700e-003	146.2761

Brea Mall Existing Conditions 2026 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.72492e+006	0.0147	0.1336	0.1122	8.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	145.4120	145.4120	2.7900e-003	2.6700e-003	146.2761
Total		**0.0147**	**0.1336**	**0.1122**	**8.0000e-004**		**0.0102**	**0.0102**		**0.0102**	**0.0102**	**0.0000**	**145.4120**	**145.4120**	**2.7900e-003**	**2.6700e-003**	**146.2761**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.72492e+006	0.0147	0.1336	0.1122	8.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	145.4120	145.4120	2.7900e-003	2.6700e-003	146.2761
Total		**0.0147**	**0.1336**	**0.1122**	**8.0000e-004**		**0.0102**	**0.0102**		**0.0102**	**0.0102**	**0.0000**	**145.4120**	**145.4120**	**2.7900e-003**	**2.6700e-003**	**146.2761**

Brea Mall Existing Conditions 2026 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	5.12799e+006	1,186.2232	0.0768	9.3000e-003	1,190.9148
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1.02119e+006	236.2237	0.0153	1.8500e-003	237.1580
Regional Shopping Center	1.73568e+007	4,015.0321	0.2598	0.0315	4,030.9118
Total		**5,437.4790**	**0.3519**	**0.0426**	**5,458.9846**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	5.12799e+006	1,186.2232	0.0768	9.3000e-003	1,190.9148
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1.02119e+006	236.2237	0.0153	1.8500e-003	237.1580
Regional Shopping Center	1.73568e+007	4,015.0321	0.2598	0.0315	4,030.9118
Total		**5,437.4790**	**0.3519**	**0.0426**	**5,458.9846**

Brea Mall Existing Conditions 2026 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.5037	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1114	0.1114	2.9000e-004	0.0000	0.1186
Unmitigated	5.5037	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1114	0.1114	2.9000e-004	0.0000	0.1186

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6253					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.8732					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.2600e-003	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1114	0.1114	2.9000e-004	0.0000	0.1186
Total	**5.5037**	**5.2000e-004**	**0.0571**	**0.0000**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**	**0.0000**	**0.1114**	**0.1114**	**2.9000e-004**	**0.0000**	**0.1186**

Brea Mall Existing Conditions 2026 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6253					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.8732					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.2600e-003	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1114	0.1114	2.9000e-004	0.0000	0.1186
Total	**5.5037**	**5.2000e-004**	**0.0571**	**0.0000**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**	**0.0000**	**0.1114**	**0.1114**	**2.9000e-004**	**0.0000**	**0.1186**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	262.7560	0.1084	0.0607	283.5643
Unmitigated	327.1513	0.1355	0.0759	353.1565

Brea Mall Existing Conditions 2026 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	95.6595 / 2.01361	327.1513	0.1355	0.0759	353.1565
Total		**327.1513**	**0.1355**	**0.0759**	**353.1565**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	76.5276 / 2.01361	262.7560	0.1084	0.0607	283.5643
Total		**262.7560**	**0.1084**	**0.0607**	**283.5643**

Brea Mall Existing Conditions 2026 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	275.2558	16.2672	0.0000	681.9345
Unmitigated	275.2558	16.2672	0.0000	681.9345

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1356	275.2558	16.2672	0.0000	681.9345
Total		**275.2558**	**16.2672**	**0.0000**	**681.9345**

Brea Mall Existing Conditions 2026 Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1356	275.2558	16.2672	0.0000	681.9345
Total		**275.2558**	**16.2672**	**0.0000**	**681.9345**

Brea Mall Existing Conditions 2026 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Brea Mall Existing Conditions 2026 Run

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	760.83	1000sqft	0.00	760,830.00	0
Other Asphalt Surfaces	1,274.57	1000sqft	29.26	1,274,566.00	0
Parking Lot	1,160.44	1000sqft	26.64	1,160,438.00	0
Regional Shopping Center	1,291.43	1000sqft	18.10	1,291,430.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2020 SCE Sustainability Report

Land Use - mall has multiple stories

Construction Phase -

Vehicle Trips - based on info provided by LLG see assumptions file for calculations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Brea Mall Existing Conditions 2026 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Area Coating - accounts only for parking area, see assumptions file for calculations

Energy Use -

Water And Wastewater - Based on the California Department of Water Resource Water Budget Workbook for New and Rehabilitated Non-Residential Landscapes. Assumes 174,365 sqft of landscaping

Water Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	645715	645717
tblAreaCoating	Area_Nonresidential_Interior	1937145	1937150
tblAreaCoating	Area_Parking	191750	115276
tblLandUse	LandUseSquareFeet	1,274,570.00	1,274,566.00
tblLandUse	LandUseSquareFeet	1,160,440.00	1,160,438.00
tblLandUse	LotAcreage	17.47	0.00
tblLandUse	LotAcreage	29.65	18.10
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	ST_TR	46.12	30.34
tblVehicleTrips	SU_TR	21.10	18.99
tblVehicleTrips	WD_TR	37.75	23.86
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	58,630,001.68	2,013,606.00
tblWater	SepticTankPercent	10.33	0.00

Brea Mall Existing Conditions 2026 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.1706	4.1400e-003	0.4570	3.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003		0.9821	0.9821	2.5500e-003		1.0459
Energy	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Mobile	100.6863	98.4309	1,011.7869	2.4357	284.0486	1.6156	285.6642	75.7123	1.5021	77.2144		256,152.7260	256,152.7260	14.3350	9.6819	259,396.2933
Total	**130.9374**	**99.1669**	**1,012.8587**	**2.4401**	**284.0486**	**1.6728**	**285.7214**	**75.7123**	**1.5593**	**77.2716**		**257,032.0053**	**257,032.0053**	**14.3544**	**9.6980**	**260,280.8558**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.1706	4.1400e-003	0.4570	3.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003		0.9821	0.9821	2.5500e-003		1.0459
Energy	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Mobile	100.6863	98.4309	1,011.7869	2.4357	284.0486	1.6156	285.6642	75.7123	1.5021	77.2144		256,152.7260	256,152.7260	14.3350	9.6819	259,396.2933
Total	**130.9374**	**99.1669**	**1,012.8587**	**2.4401**	**284.0486**	**1.6728**	**285.7214**	**75.7123**	**1.5593**	**77.2716**		**257,032.0053**	**257,032.0053**	**14.3544**	**9.6980**	**260,280.8558**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Brea Mall Existing Conditions 2026 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	100.6863	98.4309	1,011.7869	2.4357	284.0486	1.6156	285.6642	75.7123	1.5021	77.2144		256,152.7260	256,152.7260	14.3350	9.6819	259,396.2933
Unmitigated	100.6863	98.4309	1,011.7869	2.4357	284.0486	1.6156	285.6642	75.7123	1.5021	77.2144		256,152.7260	256,152.7260	14.3350	9.6819	259,396.2933

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	30,813.52	39,181.99	24524.26	107,032,184	107,032,184
Total	30,813.52	39,181.99	24,524.26	107,032,184	107,032,184

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732
Other Asphalt Surfaces	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732
Parking Lot	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732

Brea Mall Existing Conditions 2026 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Regional Shopping Center	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
NaturalGas Unmitigated	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7465.53	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Total		**0.0805**	**0.7319**	**0.6148**	**4.3900e-003**		**0.0556**	**0.0556**		**0.0556**	**0.0556**		**878.2973**	**878.2973**	**0.0168**	**0.0161**	**883.5166**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Brea Mall Existing Conditions 2026 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.46553	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Total		**0.0805**	**0.7319**	**0.6148**	**4.3900e-003**		**0.0556**	**0.0556**		**0.0556**	**0.0556**		**878.2973**	**878.2973**	**0.0168**	**0.0161**	**883.5166**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.1706	4.1400e-003	0.4570	3.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003		0.9821	0.9821	2.5500e-003		1.0459
Unmitigated	30.1706	4.1400e-003	0.4570	3.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003		0.9821	0.9821	2.5500e-003		1.0459

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.7023					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Brea Mall Existing Conditions 2026 Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Landscaping	0.0421	4.1400e-003	0.4570	3.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003		0.9821	0.9821	2.5500e-003		1.0459
Total	**30.1706**	**4.1400e-003**	**0.4570**	**3.0000e-005**		**1.6200e-003**	**1.6200e-003**		**1.6200e-003**	**1.6200e-003**		**0.9821**	**0.9821**	**2.5500e-003**		**1.0459**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.7023					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0421	4.1400e-003	0.4570	3.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003		0.9821	0.9821	2.5500e-003		1.0459
Total	**30.1706**	**4.1400e-003**	**0.4570**	**3.0000e-005**		**1.6200e-003**	**1.6200e-003**		**1.6200e-003**	**1.6200e-003**		**0.9821**	**0.9821**	**2.5500e-003**		**1.0459**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

Brea Mall Existing Conditions 2026 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Brea Mall Existing Conditions 2026 Run

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	760.83	1000sqft	0.00	760,830.00	0
Other Asphalt Surfaces	1,274.57	1000sqft	29.26	1,274,566.00	0
Parking Lot	1,160.44	1000sqft	26.64	1,160,438.00	0
Regional Shopping Center	1,291.43	1000sqft	18.10	1,291,430.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2020 SCE Sustainability Report

Land Use - mall has multiple stories

Construction Phase -

Vehicle Trips - based on info provided by LLG see assumptions file for calculations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Brea Mall Existing Conditions 2026 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Area Coating - accounts only for parking area, see assumptions file for calculations

Energy Use -

Water And Wastewater - Based on the California Department of Water Resource Water Budget Workbook for New and Rehabilitated Non-Residential Landscapes. Assumes 174,265 sqft of landscaping

Water Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	645715	645717
tblAreaCoating	Area_Nonresidential_Interior	1937145	1937150
tblAreaCoating	Area_Parking	191750	115276
tblLandUse	LandUseSquareFeet	1,274,570.00	1,274,566.00
tblLandUse	LandUseSquareFeet	1,160,440.00	1,160,438.00
tblLandUse	LotAcreage	17.47	0.00
tblLandUse	LotAcreage	29.65	18.10
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	ST_TR	46.12	30.34
tblVehicleTrips	SU_TR	21.10	18.99
tblVehicleTrips	WD_TR	37.75	23.86
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	58,630,001.68	2,013,606.00
tblWater	SepticTankPercent	10.33	0.00

Brea Mall Existing Conditions 2026 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.1706	4.1400e-003	0.4570	3.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003		0.9821	0.9821	2.5500e-003		1.0459
Energy	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Mobile	99.9244	105.6560	1,001.8352	2.3435	284.0486	1.6160	285.6646	75.7123	1.5025	77.2148		246,431.7106	246,431.7106	14.7647	10.0701	249,801.7013
Total	**130.1755**	**106.3920**	**1,002.9069**	**2.3479**	**284.0486**	**1.6733**	**285.7219**	**75.7123**	**1.5598**	**77.2721**		**247,310.9899**	**247,310.9899**	**14.7841**	**10.0862**	**250,686.2638**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.1706	4.1400e-003	0.4570	3.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003		0.9821	0.9821	2.5500e-003		1.0459
Energy	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Mobile	99.9244	105.6560	1,001.8352	2.3435	284.0486	1.6160	285.6646	75.7123	1.5025	77.2148		246,431.7106	246,431.7106	14.7647	10.0701	249,801.7013
Total	**130.1755**	**106.3920**	**1,002.9069**	**2.3479**	**284.0486**	**1.6733**	**285.7219**	**75.7123**	**1.5598**	**77.2721**		**247,310.9899**	**247,310.9899**	**14.7841**	**10.0862**	**250,686.2638**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Brea Mall Existing Conditions 2026 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	99.9244	105.6560	1,001.8352	2.3435	284.0486	1.6160	285.6646	75.7123	1.5025	77.2148		246,431.7106	246,431.7106	14.7647	10.0701	249,801.7012
Unmitigated	99.9244	105.6560	1,001.8352	2.3435	284.0486	1.6160	285.6646	75.7123	1.5025	77.2148		246,431.7106	246,431.7106	14.7647	10.0701	249,801.7012

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	30,813.52	39,181.99	24524.26	107,032,184	107,032,184
Total	30,813.52	39,181.99	24,524.26	107,032,184	107,032,184

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732
Other Asphalt Surfaces	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732
Parking Lot	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732
Regional Shopping Center	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732

Brea Mall Existing Conditions 2026 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
NaturalGas Unmitigated	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7465.53	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Total		**0.0805**	**0.7319**	**0.6148**	**4.3900e-003**		**0.0556**	**0.0556**		**0.0556**	**0.0556**		**878.2973**	**878.2973**	**0.0168**	**0.0161**	**883.5166**

Brea Mall Existing Conditions 2026 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.46553	0.0805	0.7319	0.6148	4.3900e-003		0.0556	0.0556		0.0556	0.0556		878.2973	878.2973	0.0168	0.0161	883.5166
Total		**0.0805**	**0.7319**	**0.6148**	**4.3900e-003**		**0.0556**	**0.0556**		**0.0556**	**0.0556**		**878.2973**	**878.2973**	**0.0168**	**0.0161**	**883.5166**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.1706	4.1400e-003	0.4570	3.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003		0.9821	0.9821	2.5500e-003		1.0459
Unmitigated	30.1706	4.1400e-003	0.4570	3.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003		0.9821	0.9821	2.5500e-003		1.0459

Brea Mall Existing Conditions 2026 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.7023					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0421	4.1400e-003	0.4570	3.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003		0.9821	0.9821	2.5500e-003		1.0459
Total	**30.1706**	**4.1400e-003**	**0.4570**	**3.0000e-005**		**1.6200e-003**	**1.6200e-003**		**1.6200e-003**	**1.6200e-003**		**0.9821**	**0.9821**	**2.5500e-003**		**1.0459**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.7023					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0421	4.1400e-003	0.4570	3.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003		0.9821	0.9821	2.5500e-003		1.0459
Total	**30.1706**	**4.1400e-003**	**0.4570**	**3.0000e-005**		**1.6200e-003**	**1.6200e-003**		**1.6200e-003**	**1.6200e-003**		**0.9821**	**0.9821**	**2.5500e-003**		**1.0459**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Brea Mall Existing Conditions 2026 Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

CalEEMod Operations Model

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Brea Mall Mixed-Use Project, Option 1 Operational Run

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,237.63	1000sqft	5.47	1,237,632.00	0
Other Asphalt Surfaces	1,432.70	1000sqft	32.89	1,432,698.00	0
Parking Lot	766.58	1000sqft	17.62	766,576.00	0
Health Club	128.00	1000sqft	0.98	128,000.00	0
Apartments Mid Rise	390.00	Dwelling Unit	0.00	436,500.00	1115
Regional Shopping Center	1,239.94	1000sqft	17.04	1,239,944.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	453.21	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - mall will have multiple stories

Construction Phase -

Vehicle Trips - based on trip info provided by LLG

Woodstoves - no fireplaces or barbecue grills

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Area Coating - see assumptions file for architectural coating assumptions. Assumes only parking area to be coated.

Energy Use - adjusted CalEEMod Energy use reflects blended CalEEMod default energy rates for historical and new uses

Water And Wastewater - uses California Department of Water Resource Water Resource Water Budget Worksheet for outdoor water use. Assumes 100% aerobic treatment

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	683970	683972
tblAreaCoating	Area_Nonresidential_Interior	2051910	2051916
tblAreaCoating	Area_Parking	206214	120252
tblEnergyUse	LightingElect	1.75	2.29
tblEnergyUse	LightingElect	0.35	0.79
tblEnergyUse	LightingElect	5.71	6.74
tblEnergyUse	T24E	3.50	3.76
tblEnergyUse	T24E	2.62	3.68
tblEnergyUse	T24NG	0.94	1.05
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	331.50	0.00
tblFireplaces	NumberNoFireplace	39.00	0.00
tblFireplaces	NumberWood	19.50	0.00
tblLandUse	LandUseSquareFeet	1,237,630.00	1,237,632.00
tblLandUse	LandUseSquareFeet	1,432,700.00	1,432,698.00
tblLandUse	LandUseSquareFeet	766,580.00	766,576.00
tblLandUse	LandUseSquareFeet	390,000.00	436,500.00
tblLandUse	LandUseSquareFeet	1,239,940.00	1,239,944.00
tblLandUse	LotAcreage	28.41	5.47
tblLandUse	LotAcreage	17.60	17.62

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tblLandUse	LotAcreage	2.94	0.98
tblLandUse	LotAcreage	10.26	0.00
tblLandUse	LotAcreage	28.47	17.04
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	52.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	ST_TR	4.91	2.75
tblVehicleTrips	ST_TR	20.87	26.35
tblVehicleTrips	ST_TR	46.12	30.20
tblVehicleTrips	SU_TR	4.09	2.29
tblVehicleTrips	SU_TR	26.73	26.35
tblVehicleTrips	SU_TR	21.10	18.48
tblVehicleTrips	WD_TR	5.44	3.05
tblVehicleTrips	WD_TR	32.93	27.44
tblVehicleTrips	WD_TR	37.75	23.50
tblWater	OutdoorWaterUseRate	16,019,391.95	2,326,926.00
tblWater	OutdoorWaterUseRate	4,639,875.04	0.00
tblWater	OutdoorWaterUseRate	56,292,392.37	0.00
tblWoodstoves	NumberCatalytic	19.50	0.00
tblWoodstoves	NumberNoncatalytic	19.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

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tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.6673	0.0468	4.0793	2.2000e-004		0.0225	0.0225		0.0225	0.0225	0.0000	6.6890	6.6890	6.6000e-003	0.0000	6.8540
Energy	0.0518	0.4583	0.3019	2.8300e-003		0.0358	0.0358		0.0358	0.0358	0.0000	6,119.6350	6,119.6350	0.4181	0.0589	6,147.6354
Mobile	15.9395	17.8180	165.0882	0.3872	44.3128	0.2660	44.5789	11.8282	0.2473	12.0756	0.0000	36,694.8508	36,694.8508	2.1726	1.4992	37,195.9385
Waste						0.0000	0.0000		0.0000	0.0000	448.8008	0.0000	448.8008	26.5234	0.0000	1,111.8851
Water						0.0000	0.0000		0.0000	0.0000	39.6015	339.4435	379.0450	4.0922	0.0990	510.8623
Total	**23.6586**	**18.3231**	**169.4694**	**0.3903**	**44.3128**	**0.3244**	**44.6372**	**11.8282**	**0.3056**	**12.1339**	**488.4023**	**43,160.6184**	**43,649.0207**	**33.2129**	**1.6572**	**44,973.1754**

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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.6673	0.0468	4.0793	2.2000e-004		0.0225	0.0225		0.0225	0.0225	0.0000	6.6890	6.6890	6.6000e-003	0.0000	6.8540
Energy	0.0518	0.4583	0.3019	2.8300e-003		0.0358	0.0358		0.0358	0.0358	0.0000	6,119.6350	6,119.6350	0.4181	0.0589	6,147.6354
Mobile	15.9395	17.8180	165.0882	0.3872	44.3128	0.2660	44.5789	11.8282	0.2473	12.0756	0.0000	36,694.8508	36,694.8508	2.1726	1.4992	37,195.9385
Waste						0.0000	0.0000		0.0000	0.0000	448.8008	0.0000	448.8008	26.5234	0.0000	1,111.8851
Water						0.0000	0.0000		0.0000	0.0000	31.6812	272.6177	304.2989	3.2738	0.0792	409.7575
Total	**23.6586**	**18.3231**	**169.4694**	**0.3903**	**44.3128**	**0.3244**	**44.6372**	**11.8282**	**0.3056**	**12.1339**	**480.4820**	**43,093.7926**	**43,574.2746**	**32.3945**	**1.6374**	**44,872.0706**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.62**	**0.15**	**0.17**	**2.46**	**1.19**	**0.22**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2023	9/6/2023	5	70	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 55.98

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	15.9395	17.8180	165.0882	0.3872	44.3128	0.2660	44.5789	11.8282	0.2473	12.0756	0.0000	36,694.8508	36,694.8508	2.1726	1.4992	37,195.9385
Unmitigated	15.9395	17.8180	165.0882	0.3872	44.3128	0.2660	44.5789	11.8282	0.2473	12.0756	0.0000	36,694.8508	36,694.8508	2.1726	1.4992	37,195.9385

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4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,189.50	1,072.50	893.10	4,351,167	4,351,167
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	3,512.32	3,372.80	3372.80	12,008,768	12,008,768
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	29,138.59	37,446.19	22914.09	101,271,700	101,271,700
Total	33,840.41	41,891.49	27,179.99	117,631,635	117,631,635

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Enclosed Parking with Elevator	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Health Club	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Other Asphalt Surfaces	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Parking Lot	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Regional Shopping Center	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,606.8348	5,606.8348	0.4083	0.0495	5,631.7878
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,606.8348	5,606.8348	0.4083	0.0495	5,631.7878
NaturalGas Mitigated	0.0518	0.4583	0.3019	2.8300e-003		0.0358	0.0358		0.0358	0.0358	0.0000	512.8003	512.8003	9.8300e-003	9.4000e-003	515.8476
NaturalGas Unmitigated	0.0518	0.4583	0.3019	2.8300e-003		0.0358	0.0358		0.0358	0.0358	0.0000	512.8003	512.8003	9.8300e-003	9.4000e-003	515.8476

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					

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Apartments Mid Rise	4.34835e+006	0.0235	0.2004	0.0853	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	232.0446	232.0446	4.4500e-003	4.2500e-003	233.4235
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	2.65728e+006	0.0143	0.1303	0.1094	7.8000e-004		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	141.8026	141.8026	2.7200e-003	2.6000e-003	142.6452
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.60388e+006	0.0140	0.1276	0.1072	7.7000e-004		9.7000e-003	9.7000e-003		9.7000e-003	9.7000e-003	0.0000	138.9531	138.9531	2.6600e-003	2.5500e-003	139.7788
Total		**0.0518**	**0.4583**	**0.3019**	**2.8300e-003**		**0.0358**	**0.0358**		**0.0358**	**0.0358**	**0.0000**	**512.8003**	**512.8003**	**9.8300e-003**	**9.4000e-003**	**515.8476**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	4.34835e+006	0.0235	0.2004	0.0853	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	232.0446	232.0446	4.4500e-003	4.2500e-003	233.4235
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	2.65728e+006	0.0143	0.1303	0.1094	7.8000e-004		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	141.8026	141.8026	2.7200e-003	2.6000e-003	142.6452
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.60388e+006	0.0140	0.1276	0.1072	7.7000e-004		9.7000e-003	9.7000e-003		9.7000e-003	9.7000e-003	0.0000	138.9531	138.9531	2.6600e-003	2.5500e-003	139.7788
Total		**0.0518**	**0.4583**	**0.3019**	**2.8300e-003**		**0.0358**	**0.0358**		**0.0358**	**0.0358**	**0.0000**	**512.8003**	**512.8003**	**9.8300e-003**	**9.4000e-003**	**515.8476**

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.49519e+006	307.3709	0.0224	2.7100e-003	308.7388
Enclosed Parking with Elevator	7.72282e+006	1,587.6009	0.1156	0.0140	1,594.6665
Health Club	1.05856e+006	217.6109	0.0159	1.9200e-003	218.5794
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	605595	124.4938	9.0600e-003	1.1000e-003	125.0478
Regional Shopping Center	1.63921e+007	3,369.7583	0.2454	0.0297	3,384.7553
Total		**5,606.8348**	**0.4083**	**0.0495**	**5,631.7878**

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Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.49519e+006	307.3709	0.0224	2.7100e-003	308.7388
Enclosed Parking with Elevator	7.72282e+006	1,587.6009	0.1156	0.0140	1,594.6665
Health Club	1.05856e+006	217.6109	0.0159	1.9200e-003	218.5794
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	605595	124.4938	9.0600e-003	1.1000e-003	125.0478
Regional Shopping Center	1.63921e+007	3,369.7583	0.2454	0.0297	3,384.7553
Total		**5,606.8348**	**0.4083**	**0.0495**	**5,631.7878**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.6673	0.0468	4.0793	2.2000e-004		0.0225	0.0225		0.0225	0.0225	0.0000	6.6890	6.6890	6.6000e-003	0.0000	6.8540
Unmitigated	7.6673	0.0468	4.0793	2.2000e-004		0.0225	0.0225		0.0225	0.0225	0.0000	6.6890	6.6890	6.6000e-003	0.0000	6.8540

6.2 Area by SubCategory

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Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7985					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.7425					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1263	0.0468	4.0793	2.2000e-004		0.0225	0.0225		0.0225	0.0225	0.0000	6.6890	6.6890	6.6000e-003	0.0000	6.8540
Total	**7.6673**	**0.0468**	**4.0793**	**2.2000e-004**		**0.0225**	**0.0225**		**0.0225**	**0.0225**	**0.0000**	**6.6890**	**6.6890**	**6.6000e-003**	**0.0000**	**6.8540**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7985					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.7425					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1263	0.0468	4.0793	2.2000e-004		0.0225	0.0225		0.0225	0.0225	0.0000	6.6890	6.6890	6.6000e-003	0.0000	6.8540
Total	**7.6673**	**0.0468**	**4.0793**	**2.2000e-004**		**0.0225**	**0.0225**		**0.0225**	**0.0225**	**0.0000**	**6.6890**	**6.6890**	**6.6000e-003**	**0.0000**	**6.8540**

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	304.2989	3.2738	0.0792	409.7575
Unmitigated	379.0450	4.0922	0.0990	510.8623

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	25.4101 / 2.32693	81.3926	0.8333	0.0202	108.2447
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	7.57032 / 0	22.6657	0.2482	6.0000e-003	30.6586
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	91.8455 / 0	274.9867	3.0107	0.0728	371.9590

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	**379.0450**	**4.0922**	**0.0990**	**510.8623**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	20.3281 / 2.32693	66.1770	0.6667	0.0162	87.6634
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	6.05626 / 0	18.1325	0.1985	4.8000e-003	24.5268
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	73.4764 / 0	219.9894	2.4086	0.0583	297.5672
Total		**304.2989**	**3.2738**	**0.0792**	**409.7575**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	448.8008	26.5234	0.0000	1,111.8851

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated	448.8008	26.5234	0.0000	1,111.8851

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	179.4	36.4166	2.1522	0.0000	90.2205
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	729.6	148.1022	8.7526	0.0000	366.9170
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1301.94	264.2821	15.6186	0.0000	654.7476
Total		**448.8008**	**26.5234**	**0.0000**	**1,111.8851**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	179.4	36.4166	2.1522	0.0000	90.2205
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	729.6	148.1022	8.7526	0.0000	366.9170
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1301.94	264.2821	15.6186	0.0000	654.7476
Total		**448.8008**	**26.5234**	**0.0000**	**1,111.8851**

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Brea Mall Mixed-Use Project, Option 1 Operational Run

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,237.63	1000sqft	5.47	1,237,632.00	0
Other Asphalt Surfaces	1,432.70	1000sqft	32.89	1,432,698.00	0
Parking Lot	766.58	1000sqft	17.62	766,576.00	0
Health Club	128.00	1000sqft	0.98	128,000.00	0
Apartments Mid Rise	390.00	Dwelling Unit	0.00	436,500.00	1115
Regional Shopping Center	1,239.94	1000sqft	17.04	1,239,944.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	453.21	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - mall will have multiple stories

Construction Phase -

Vehicle Trips - based on trip info provided by LLG

Woodstoves - no fireplaces or barbecue grills

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Area Coating - see assumptions file for architectural coating assumptions. Assumes only parking area to be coated.

Energy Use - adjusted CalEEMod Energy use reflects blended CalEEMod default energy rates for historical and new uses

Water And Wastewater - uses California Department of Water Resource Water Resource Water Budget Worksheet for outdoor water use. Assumes 100% aerobic treatment

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	683970	683972
tblAreaCoating	Area_Nonresidential_Interior	2051910	2051916
tblAreaCoating	Area_Parking	206214	120252
tblEnergyUse	LightingElect	1.75	2.29
tblEnergyUse	LightingElect	0.35	0.79
tblEnergyUse	LightingElect	5.71	6.74
tblEnergyUse	T24E	3.50	3.76
tblEnergyUse	T24E	2.62	3.68
tblEnergyUse	T24NG	0.94	1.05
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	331.50	0.00
tblFireplaces	NumberNoFireplace	39.00	0.00
tblFireplaces	NumberWood	19.50	0.00
tblLandUse	LandUseSquareFeet	1,237,630.00	1,237,632.00
tblLandUse	LandUseSquareFeet	1,432,700.00	1,432,698.00
tblLandUse	LandUseSquareFeet	766,580.00	766,576.00
tblLandUse	LandUseSquareFeet	390,000.00	436,500.00
tblLandUse	LandUseSquareFeet	1,239,940.00	1,239,944.00
tblLandUse	LotAcreage	28.41	5.47
tblLandUse	LotAcreage	17.60	17.62

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LotAcreage	2.94	0.98
tblLandUse	LotAcreage	10.26	0.00
tblLandUse	LotAcreage	28.47	17.04
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	52.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	ST_TR	4.91	2.75
tblVehicleTrips	ST_TR	20.87	26.35
tblVehicleTrips	ST_TR	46.12	30.20
tblVehicleTrips	SU_TR	4.09	2.29
tblVehicleTrips	SU_TR	26.73	26.35
tblVehicleTrips	SU_TR	21.10	18.48
tblVehicleTrips	WD_TR	5.44	3.05
tblVehicleTrips	WD_TR	32.93	27.44
tblVehicleTrips	WD_TR	37.75	23.50
tblWater	OutdoorWaterUseRate	16,019,391.95	2,326,926.00
tblWater	OutdoorWaterUseRate	4,639,875.04	0.00
tblWater	OutdoorWaterUseRate	56,292,392.37	0.00
tblWoodstoves	NumberCatalytic	19.50	0.00
tblWoodstoves	NumberNoncatalytic	19.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	42.3307	0.3747	32.6343	1.7400e-003		0.1801	0.1801		0.1801	0.1801	0.0000	58.9870	58.9870	0.0582	0.0000	60.4423
Energy	0.2839	2.5110	1.6542	0.0155		0.1962	0.1962		0.1962	0.1962		3,097.3454	3,097.3454	0.0594	0.0568	3,115.7514
Mobile	111.5122	111.2537	1,127.7528	2.7116	306.7038	1.8108	308.5146	81.7505	1.6834	83.4339		283,204.1949	283,204.1949	15.8936	10.7381	286,801.4748
Total	**154.1268**	**114.1394**	**1,162.0414**	**2.7288**	**306.7038**	**2.1871**	**308.8909**	**81.7505**	**2.0596**	**83.8102**	**0.0000**	**286,360.5272**	**286,360.5272**	**16.0112**	**10.7948**	**289,977.6685**

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	42.3307	0.3747	32.6343	1.7400e-003		0.1801	0.1801		0.1801	0.1801	0.0000	58.9870	58.9870	0.0582	0.0000	60.4423
Energy	0.2839	2.5110	1.6542	0.0155		0.1962	0.1962		0.1962	0.1962		3,097.3454	3,097.3454	0.0594	0.0568	3,115.7514
Mobile	111.5122	111.2537	1,127.7528	2.7116	306.7038	1.8108	308.5146	81.7505	1.6834	83.4339		283,204.1949	283,204.1949	15.8936	10.7381	286,801.4748
Total	**154.1268**	**114.1394**	**1,162.0414**	**2.7288**	**306.7038**	**2.1871**	**308.8909**	**81.7505**	**2.0596**	**83.8102**	**0.0000**	**286,360.5272**	**286,360.5272**	**16.0112**	**10.7948**	**289,977.6685**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	111.5122	111.2537	1,127.7528	2.7116	306.7038	1.8108	308.5146	81.7505	1.6834	83.4339		283,204.1949	283,204.1949	15.8936	10.7381	286,801.4748
Unmitigated	111.5122	111.2537	1,127.7528	2.7116	306.7038	1.8108	308.5146	81.7505	1.6834	83.4339		283,204.1949	283,204.1949	15.8936	10.7381	286,801.4748

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,189.50	1,072.50	893.10	4,351,167	4,351,167
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	3,512.32	3,372.80	3372.80	12,008,768	12,008,768
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	29,138.59	37,446.19	22914.09	101,271,700	101,271,700
Total	33,840.41	41,891.49	27,179.99	117,631,635	117,631,635

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Enclosed Parking with Elevator	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Health Club	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Other Asphalt Surfaces	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Parking Lot	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Regional Shopping Center	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2839	2.5110	1.6542	0.0155		0.1962	0.1962		0.1962	0.1962		3,097.3454	3,097.3454	0.0594	0.0568	3,115.7514
NaturalGas Unmitigated	0.2839	2.5110	1.6542	0.0155		0.1962	0.1962		0.1962	0.1962		3,097.3454	3,097.3454	0.0594	0.0568	3,115.7514

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	11913.3	0.1285	1.0979	0.4672	7.0100e-003		0.0888	0.0888		0.0888	0.0888		1,401.5638	1,401.5638	0.0269	0.0257	1,409.8926
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	7280.22	0.0785	0.7138	0.5996	4.2800e-003		0.0542	0.0542		0.0542	0.0542		856.4964	856.4964	0.0164	0.0157	861.5861
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7133.92	0.0769	0.6994	0.5875	4.2000e-003		0.0532	0.0532		0.0532	0.0532		839.2852	839.2852	0.0161	0.0154	844.2727
Total		**0.2839**	**2.5110**	**1.6542**	**0.0155**		**0.1962**	**0.1962**		**0.1962**	**0.1962**		**3,097.3454**	**3,097.3454**	**0.0594**	**0.0568**	**3,115.7514**

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	11.9133	0.1285	1.0979	0.4672	7.0100e-003		0.0888	0.0888		0.0888	0.0888		1,401.5638	1,401.5638	0.0269	0.0257	1,409.8926
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	7.28022	0.0785	0.7138	0.5996	4.2800e-003		0.0542	0.0542		0.0542	0.0542		856.4964	856.4964	0.0164	0.0157	861.5861
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.13392	0.0769	0.6994	0.5875	4.2000e-003		0.0532	0.0532		0.0532	0.0532		839.2852	839.2852	0.0161	0.0154	844.2727
Total		**0.2839**	**2.5110**	**1.6542**	**0.0155**		**0.1962**	**0.1962**		**0.1962**	**0.1962**		**3,097.3454**	**3,097.3454**	**0.0594**	**0.0568**	**3,115.7514**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	42.3307	0.3747	32.6343	1.7400e-003		0.1801	0.1801		0.1801	0.1801	0.0000	58.9870	58.9870	0.0582	0.0000	60.4423
Unmitigated	42.3307	0.3747	32.6343	1.7400e-003		0.1801	0.1801		0.1801	0.1801	0.0000	58.9870	58.9870	0.0582	0.0000	60.4423

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.3752					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.9453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0102	0.3747	32.6343	1.7400e-003		0.1801	0.1801		0.1801	0.1801		58.9870	58.9870	0.0582		60.4423
Total	**42.3307**	**0.3747**	**32.6343**	**1.7400e-003**		**0.1801**	**0.1801**		**0.1801**	**0.1801**	**0.0000**	**58.9870**	**58.9870**	**0.0582**	**0.0000**	**60.4423**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.3752					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.9453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0102	0.3747	32.6343	1.7400e-003		0.1801	0.1801		0.1801	0.1801		58.9870	58.9870	0.0582		60.4423
Total	**42.3307**	**0.3747**	**32.6343**	**1.7400e-003**		**0.1801**	**0.1801**		**0.1801**	**0.1801**	**0.0000**	**58.9870**	**58.9870**	**0.0582**	**0.0000**	**60.4423**

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Brea Mall Mixed-Use Project, Option 1 Operational Run

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,237.63	1000sqft	5.47	1,237,632.00	0
Other Asphalt Surfaces	1,432.70	1000sqft	32.89	1,432,698.00	0
Parking Lot	766.58	1000sqft	17.62	766,576.00	0
Health Club	128.00	1000sqft	0.98	128,000.00	0
Apartments Mid Rise	390.00	Dwelling Unit	0.00	436,500.00	1115
Regional Shopping Center	1,239.94	1000sqft	17.04	1,239,944.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	453.21	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2020 Sustainability Report

Land Use - mall will have multiple stories

Construction Phase -

Vehicle Trips - based on trip info provided by LLG

Woodstoves - no fireplaces or barbecue grills

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Area Coating - see assumptions file for architectural coating assumptions. Assumes only parking area to be coated.

Energy Use - adjusted CalEEMod Energy use reflects blended CalEEMod default energy rates for historical and new uses

Water And Wastewater - uses California Department of Water Resource Water Resource Water Budget Worksheet for outdoor water use. Assumes 100% aerobic treatment

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	683970	683972
tblAreaCoating	Area_Nonresidential_Interior	2051910	2051916
tblAreaCoating	Area_Parking	206214	120252
tblEnergyUse	LightingElect	1.75	2.29
tblEnergyUse	LightingElect	0.35	0.79
tblEnergyUse	LightingElect	5.71	6.74
tblEnergyUse	T24E	3.50	3.76
tblEnergyUse	T24E	2.62	3.68
tblEnergyUse	T24NG	0.94	1.05
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	331.50	0.00
tblFireplaces	NumberNoFireplace	39.00	0.00
tblFireplaces	NumberWood	19.50	0.00
tblLandUse	LandUseSquareFeet	1,237,630.00	1,237,632.00
tblLandUse	LandUseSquareFeet	1,432,700.00	1,432,698.00
tblLandUse	LandUseSquareFeet	766,580.00	766,576.00
tblLandUse	LandUseSquareFeet	390,000.00	436,500.00
tblLandUse	LandUseSquareFeet	1,239,940.00	1,239,944.00
tblLandUse	LotAcreage	28.41	5.47
tblLandUse	LotAcreage	17.60	17.62

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LotAcreage	2.94	0.98
tblLandUse	LotAcreage	10.26	0.00
tblLandUse	LotAcreage	28.47	17.04
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	52.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	ST_TR	4.91	2.75
tblVehicleTrips	ST_TR	20.87	26.35
tblVehicleTrips	ST_TR	46.12	30.20
tblVehicleTrips	SU_TR	4.09	2.29
tblVehicleTrips	SU_TR	26.73	26.35
tblVehicleTrips	SU_TR	21.10	18.48
tblVehicleTrips	WD_TR	5.44	3.05
tblVehicleTrips	WD_TR	32.93	27.44
tblVehicleTrips	WD_TR	37.75	23.50
tblWater	OutdoorWaterUseRate	16,019,391.95	2,326,926.00
tblWater	OutdoorWaterUseRate	4,639,875.04	0.00
tblWater	OutdoorWaterUseRate	56,292,392.37	0.00
tblWoodstoves	NumberCatalytic	19.50	0.00
tblWoodstoves	NumberNoncatalytic	19.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	42.3307	0.3747	32.6343	1.7400e-003		0.1801	0.1801		0.1801	0.1801	0.0000	58.9870	58.9870	0.0582	0.0000	60.4423
Energy	0.2839	2.5110	1.6542	0.0155		0.1962	0.1962		0.1962	0.1962		3,097.3454	3,097.3454	0.0594	0.0568	3,115.7514
Mobile	110.7438	119.4438	1,115.2553	2.6085	306.7038	1.8114	308.5152	81.7505	1.6839	83.4344		272,423.5760	272,423.5760	16.3782	11.1746	276,163.0676
Total	**153.3584**	**122.3296**	**1,149.5438**	**2.6257**	**306.7038**	**2.1876**	**308.8915**	**81.7505**	**2.0602**	**83.8107**	**0.0000**	**275,579.9083**	**275,579.9083**	**16.4958**	**11.2314**	**279,339.2613**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	42.3307	0.3747	32.6343	1.7400e-003		0.1801	0.1801		0.1801	0.1801	0.0000	58.9870	58.9870	0.0582	0.0000	60.4423

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Energy	0.2839	2.5110	1.6542	0.0155		0.1962	0.1962		0.1962	0.1962		3,097.3454	3,097.3454	0.0594	0.0568	3,115.7514
Mobile	110.7438	119.4438	1,115.2553	2.6085	306.7038	1.8114	308.5152	81.7505	1.6839	83.4344		272,423.5760	272,423.5760	16.3782	11.1746	276,163.0676
Total	**153.3584**	**122.3296**	**1,149.5438**	**2.6257**	**306.7038**	**2.1876**	**308.8915**	**81.7505**	**2.0602**	**83.8107**	**0.0000**	**275,579.9083**	**275,579.9083**	**16.4958**	**11.2314**	**279,339.2613**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	110.7438	119.4438	1,115.2553	2.6085	306.7038	1.8114	308.5152	81.7505	1.6839	83.4344		272,423.5760	272,423.5760	16.3782	11.1746	276,163.0676
Unmitigated	110.7438	119.4438	1,115.2553	2.6085	306.7038	1.8114	308.5152	81.7505	1.6839	83.4344		272,423.5760	272,423.5760	16.3782	11.1746	276,163.0676

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,189.50	1,072.50	893.10	4,351,167	4,351,167
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	3,512.32	3,372.80	3372.80	12,008,768	12,008,768
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	29,138.59	37,446.19	22914.09	101,271,700	101,271,700
Total	33,840.41	41,891.49	27,179.99	117,631,635	117,631,635

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Enclosed Parking with Elevator	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Health Club	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Other Asphalt Surfaces	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Parking Lot	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Regional Shopping Center	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801

5.0 Energy Detail

Historical Energy Use: N

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2839	2.5110	1.6542	0.0155		0.1962	0.1962		0.1962	0.1962		3,097.3454	3,097.3454	0.0594	0.0568	3,115.7514
NaturalGas Unmitigated	0.2839	2.5110	1.6542	0.0155		0.1962	0.1962		0.1962	0.1962		3,097.3454	3,097.3454	0.0594	0.0568	3,115.7514

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	11913.3	0.1285	1.0979	0.4672	7.0100e-003		0.0888	0.0888		0.0888	0.0888		1,401.5638	1,401.5638	0.0269	0.0257	1,409.8926
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	7280.22	0.0785	0.7138	0.5996	4.2800e-003		0.0542	0.0542		0.0542	0.0542		856.4964	856.4964	0.0164	0.0157	861.5861
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7133.92	0.0769	0.6994	0.5875	4.2000e-003		0.0532	0.0532		0.0532	0.0532		839.2852	839.2852	0.0161	0.0154	844.2727
Total		**0.2839**	**2.5110**	**1.6542**	**0.0155**		**0.1962**	**0.1962**		**0.1962**	**0.1962**		**3,097.3454**	**3,097.3454**	**0.0594**	**0.0568**	**3,115.7514**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Apartments Mid Rise	11.9133	0.1285	1.0979	0.4672	7.0100e-003		0.0888	0.0888		0.0888	0.0888		1,401.5638	1,401.5638	0.0269	0.0257	1,409.8926
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	7.28022	0.0785	0.7138	0.5996	4.2800e-003		0.0542	0.0542		0.0542	0.0542		856.4964	856.4964	0.0164	0.0157	861.5861
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.13392	0.0769	0.6994	0.5875	4.2000e-003		0.0532	0.0532		0.0532	0.0532		839.2852	839.2852	0.0161	0.0154	844.2727
Total		**0.2839**	**2.5110**	**1.6542**	**0.0155**		**0.1962**	**0.1962**		**0.1962**	**0.1962**		**3,097.3454**	**3,097.3454**	**0.0594**	**0.0568**	**3,115.7514**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	42.3307	0.3747	32.6343	1.7400e-003		0.1801	0.1801		0.1801	0.1801	0.0000	58.9870	58.9870	0.0582	0.0000	60.4423
Unmitigated	42.3307	0.3747	32.6343	1.7400e-003		0.1801	0.1801		0.1801	0.1801	0.0000	58.9870	58.9870	0.0582	0.0000	60.4423

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating	4.3752					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.9453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0102	0.3747	32.6343	1.7400e-003		0.1801	0.1801		0.1801	0.1801		58.9870	58.9870	0.0582		60.4423
Total	**42.3307**	**0.3747**	**32.6343**	**1.7400e-003**		**0.1801**	**0.1801**		**0.1801**	**0.1801**	**0.0000**	**58.9870**	**58.9870**	**0.0582**	**0.0000**	**60.4423**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.3752					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.9453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0102	0.3747	32.6343	1.7400e-003		0.1801	0.1801		0.1801	0.1801		58.9870	58.9870	0.0582		60.4423
Total	**42.3307**	**0.3747**	**32.6343**	**1.7400e-003**		**0.1801**	**0.1801**		**0.1801**	**0.1801**	**0.0000**	**58.9870**	**58.9870**	**0.0582**	**0.0000**	**60.4423**

Brea Mall Mixed-Use Project, Option 1 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Brea Mall Mixed-Use Project, Option 2 Operational Run

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,159.33	1000sqft	4.57	1,159,332.00	0
Other Asphalt Surfaces	1,514.51	1000sqft	34.77	1,514,514.00	0
Parking Lot	766.58	1000sqft	17.62	766,576.00	0
Apartments Mid Rise	670.00	Dwelling Unit	0.00	750,300.00	1916
Regional Shopping Center	1,239.94	1000sqft	17.04	1,239,944.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2020 SCE Sustainability Report (see assumptions file for calcs)

Land Use - Mall structures have multiple stories, see assumptions file for calcs

Construction Phase -

Vehicle Trips - based on info provided by LLG, see assumptions file for calcs

Woodstoves - no fireplaces assumed for Option 2

Area Coating - accounts only for parking area, see assumptions file for calculations

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water And Wastewater - assumes 100% aerobic treatment, outdoor water based on the California Department of Water Resource Water Budget

Fleet Mix -

Energy Use - adjusted CalEEMod Energy use reflects blended CalEEMod default energy rates for historical and new uses

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	619970	619972
tblAreaCoating	Area_Nonresidential_Interior	1859910	1859916
tblAreaCoating	Area_Parking	206425	115554
tblEnergyUse	LightingElect	1.75	2.33
tblEnergyUse	LightingElect	5.71	6.74
tblEnergyUse	T24E	3.50	3.78
tblEnergyUse	T24E	2.62	3.68
tblEnergyUse	T24NG	0.94	1.05
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	569.50	0.00
tblFireplaces	NumberNoFireplace	67.00	0.00
tblFireplaces	NumberWood	33.50	0.00
tblLandUse	LandUseSquareFeet	1,159,330.00	1,159,332.00
tblLandUse	LandUseSquareFeet	1,514,510.00	1,514,514.00
tblLandUse	LandUseSquareFeet	766,580.00	766,576.00
tblLandUse	LandUseSquareFeet	670,000.00	750,300.00
tblLandUse	LandUseSquareFeet	1,239,940.00	1,239,944.00
tblLandUse	LotAcreage	26.61	4.57
tblLandUse	LotAcreage	17.60	17.62
tblLandUse	LotAcreage	17.63	0.00

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LotAcreage	28.47	17.04
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	ST_TR	4.91	2.75
tblVehicleTrips	ST_TR	46.12	29.76
tblVehicleTrips	SU_TR	4.09	2.29
tblVehicleTrips	SU_TR	21.10	18.11
tblVehicleTrips	WD_TR	5.44	3.05
tblVehicleTrips	WD_TR	37.75	23.01
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	27,520,493.87	2,326,926.00
tblWater	OutdoorWaterUseRate	56,292,392.37	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	33.50	0.00
tblWoodstoves	NumberNoncatalytic	33.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.4631	0.0801	6.9625	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.4027	11.4027	0.0111	0.0000	11.6804
Energy	0.0543	0.4719	0.2537	2.9600e-003		0.0375	0.0375		0.0375	0.0375	0.0000	6,675.2461	6,675.2461	0.4075	0.0580	6,702.7155
Mobile	13.3974	14.2294	137.9018	0.3228	40.2189	0.2110	40.4299	10.7357	0.1962	10.9319	0.0000	31,190.8725	31,190.8725	1.8281	1.2604	31,612.1627
Waste						0.0000	0.0000		0.0000	0.0000	326.8439	0.0000	326.8439	19.3159	0.0000	809.7419
Water						0.0000	0.0000		0.0000	0.0000	47.9397	414.1100	462.0496	0.1918	0.1075	498.8800
Total	**21.9148**	**14.7813**	**145.1180**	**0.3262**	**40.2189**	**0.2870**	**40.5059**	**10.7357**	**0.2723**	**11.0079**	**374.7835**	**38,291.6312**	**38,666.4147**	**21.7544**	**1.4259**	**39,635.1805**

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.4631	0.0801	6.9625	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.4027	11.4027	0.0111	0.0000	11.6804
Energy	0.0543	0.4719	0.2537	2.9600e-003		0.0375	0.0375		0.0375	0.0375	0.0000	6,675.2461	6,675.2461	0.4075	0.0580	6,702.7155
Mobile	13.3974	14.2294	137.9018	0.3228	40.2189	0.2110	40.4299	10.7357	0.1962	10.9319	0.0000	31,190.8725	31,190.8725	1.8281	1.2604	31,612.1627
Waste						0.0000	0.0000		0.0000	0.0000	326.8439	0.0000	326.8439	19.3159	0.0000	809.7419
Water						0.0000	0.0000		0.0000	0.0000	38.3517	332.4840	370.8357	0.1535	0.0860	400.3047
Total	**21.9148**	**14.7813**	**145.1180**	**0.3262**	**40.2189**	**0.2870**	**40.5059**	**10.7357**	**0.2723**	**11.0079**	**365.1956**	**38,210.0053**	**38,575.2009**	**21.7161**	**1.4044**	**39,536.6052**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**2.56**	**0.21**	**0.24**	**0.18**	**1.51**	**0.25**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	13.3974	14.2294	137.9018	0.3228	40.2189	0.2110	40.4299	10.7357	0.1962	10.9319	0.0000	31,190.8725	31,190.8725	1.8281	1.2604	31,612.1627
Unmitigated	13.3974	14.2294	137.9018	0.3228	40.2189	0.2110	40.4299	10.7357	0.1962	10.9319	0.0000	31,190.8725	31,190.8725	1.8281	1.2604	31,612.1627

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,043.50	1,842.50	1534.30	7,475,081	7,475,081
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	28,531.02	36,900.61	22455.31	99,285,025	99,285,025
Total	30,574.52	38,743.11	23,989.61	106,760,106	106,760,106

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612
Enclosed Parking with Elevator	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612
Other Asphalt Surfaces	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612
Parking Lot	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612
Regional Shopping Center	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6,137.6523	6,137.6523	0.3972	0.0481	6,161.9270
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6,137.6523	6,137.6523	0.3972	0.0481	6,161.9270
NaturalGas Mitigated	0.0543	0.4719	0.2537	2.9600e-003		0.0375	0.0375		0.0375	0.0375	0.0000	537.5938	537.5938	0.0103	9.8600e-003	540.7885
NaturalGas Unmitigated	0.0543	0.4719	0.2537	2.9600e-003		0.0375	0.0375		0.0375	0.0375	0.0000	537.5938	537.5938	0.0103	9.8600e-003	540.7885

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	7.47025e+006	0.0403	0.3442	0.1465	2.2000e-003		0.0278	0.0278		0.0278	0.0278	0.0000	398.6407	398.6407	7.6400e-003	7.3100e-003	401.0097
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.60388e+006	0.0140	0.1276	0.1072	7.7000e-004		9.7000e-003	9.7000e-003		9.7000e-003	9.7000e-003	0.0000	138.9531	138.9531	2.6600e-003	2.5500e-003	139.7788
Total		**0.0543**	**0.4719**	**0.2537**	**2.9700e-003**		**0.0375**	**0.0375**		**0.0375**	**0.0375**	**0.0000**	**537.5938**	**537.5938**	**0.0103**	**9.8600e-003**	**540.7885**

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	7.47025e+006	0.0403	0.3442	0.1465	2.2000e-003		0.0278	0.0278		0.0278	0.0278	0.0000	398.6407	398.6407	7.6400e-003	7.3100e-003	401.0097
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.60388e+006	0.0140	0.1276	0.1072	7.7000e-004		9.7000e-003	9.7000e-003		9.7000e-003	9.7000e-003	0.0000	138.9531	138.9531	2.6600e-003	2.5500e-003	139.7788
Total		**0.0543**	**0.4719**	**0.2537**	**2.9700e-003**		**0.0375**	**0.0375**		**0.0375**	**0.0375**	**0.0000**	**537.5938**	**537.5938**	**0.0103**	**9.8600e-003**	**540.7885**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.56867e+006	594.1916	0.0385	4.6600e-003	596.5417
Enclosed Parking with Elevator	7.30379e+006	1,689.5353	0.1093	0.0133	1,696.2175
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	268302	62.0643	4.0200e-003	4.9000e-004	62.3098
Regional Shopping Center	1.63921e+007	3,791.8610	0.2454	0.0297	3,806.8581
Total		**6,137.6523**	**0.3972**	**0.0481**	**6,161.9270**

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.56867e+006	594.1916	0.0385	4.6600e-003	596.5417
Enclosed Parking with Elevator	7.30379e+006	1,689.5353	0.1093	0.0133	1,696.2175
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	268302	62.0643	4.0200e-003	4.9000e-004	62.3098
Regional Shopping Center	1.63921e+007	3,791.8610	0.2454	0.0297	3,806.8581
Total		**6,137.6523**	**0.3972**	**0.0481**	**6,161.9270**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.4631	0.0801	6.9625	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.4027	11.4027	0.0111	0.0000	11.6804
Unmitigated	8.4631	0.0801	6.9625	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.4027	11.4027	0.0111	0.0000	11.6804

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.8362					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.4141					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2127	0.0801	6.9625	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.4027	11.4027	0.0111	0.0000	11.6804
Total	**8.4631**	**0.0801**	**6.9625**	**3.7000e-004**		**0.0385**	**0.0385**		**0.0385**	**0.0385**	**0.0000**	**11.4027**	**11.4027**	**0.0111**	**0.0000**	**11.6804**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.8362					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.4141					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2127	0.0801	6.9625	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.4027	11.4027	0.0111	0.0000	11.6804
Total	**8.4631**	**0.0801**	**6.9625**	**3.7000e-004**		**0.0385**	**0.0385**		**0.0385**	**0.0385**	**0.0000**	**11.4027**	**11.4027**	**0.0111**	**0.0000**	**11.6804**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	370.8357	0.1535	0.0860	400.3047
Unmitigated	462.0496	0.1918	0.1075	498.8800

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	43.6532 / 2.32693	152.9107	0.0621	0.0347	164.7922
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	91.8455 / 0	309.1389	0.1298	0.0728	334.0877
Total		**462.0496**	**0.1918**	**0.1075**	**498.8800**

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	34.9226 / 2.32693	123.5246	0.0497	0.0277	133.0346
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	73.4764 / 0	247.3111	0.1038	0.0583	267.2702
Total		**370.8357**	**0.1535**	**0.0860**	**400.3047**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	326.8439	19.3159	0.0000	809.7419
Unmitigated	326.8439	19.3159	0.0000	809.7419

8.2 Waste by Land Use

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	308.2	62.5618	3.6973	0.0000	154.9943
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1301.94	264.2821	15.6186	0.0000	654.7476
Total		**326.8439**	**19.3159**	**0.0000**	**809.7419**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	308.2	62.5618	3.6973	0.0000	154.9943
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1301.94	264.2821	15.6186	0.0000	654.7476
Total		**326.8439**	**19.3159**	**0.0000**	**809.7419**

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Brea Mall Mixed-Use Project, Option 2 Operational Run

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,159.33	1000sqft	4.57	1,159,332.00	0
Other Asphalt Surfaces	1,514.51	1000sqft	34.77	1,514,514.00	0
Parking Lot	766.58	1000sqft	17.62	766,576.00	0
Apartments Mid Rise	670.00	Dwelling Unit	0.00	750,300.00	1916
Regional Shopping Center	1,239.94	1000sqft	17.04	1,239,944.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2020 SCE Sustainability Report (see assumptions file for calcs)

Land Use - Mall structures have multiple stories, see assumptions file for calcs

Construction Phase -

Vehicle Trips - based on info provided by LLG, see assumptions file for calcs

Woodstoves - no fireplaces assumed for Option 2

Area Coating - accounts only for parking area, see assumptions file for calculations

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water And Wastewater - assumes 100% aerobic treatment, outdoor water based on the California Department of Water Resource Water Budget

Fleet Mix -

Energy Use - adjusted CalEEMod Energy use reflects blended CalEEMod default energy rates for historical and new uses

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	619970	619972
tblAreaCoating	Area_Nonresidential_Interior	1859910	1859916
tblAreaCoating	Area_Parking	206425	115554
tblEnergyUse	LightingElect	1.75	2.33
tblEnergyUse	LightingElect	5.71	6.74
tblEnergyUse	T24E	3.50	3.78
tblEnergyUse	T24E	2.62	3.68
tblEnergyUse	T24NG	0.94	1.05
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	569.50	0.00
tblFireplaces	NumberNoFireplace	67.00	0.00
tblFireplaces	NumberWood	33.50	0.00
tblLandUse	LandUseSquareFeet	1,159,330.00	1,159,332.00
tblLandUse	LandUseSquareFeet	1,514,510.00	1,514,514.00
tblLandUse	LandUseSquareFeet	766,580.00	766,576.00
tblLandUse	LandUseSquareFeet	670,000.00	750,300.00
tblLandUse	LandUseSquareFeet	1,239,940.00	1,239,944.00
tblLandUse	LotAcreage	26.61	4.57
tblLandUse	LotAcreage	17.60	17.62
tblLandUse	LotAcreage	17.63	0.00

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LotAcreage	28.47	17.04
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	ST_TR	4.91	2.75
tblVehicleTrips	ST_TR	46.12	29.76
tblVehicleTrips	SU_TR	4.09	2.29
tblVehicleTrips	SU_TR	21.10	18.11
tblVehicleTrips	WD_TR	5.44	3.05
tblVehicleTrips	WD_TR	37.75	23.01
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	27,520,493.87	2,326,926.00
tblWater	OutdoorWaterUseRate	56,292,392.37	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	33.50	0.00
tblWoodstoves	NumberNoncatalytic	33.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	46.9095	0.6404	55.7001	2.9500e-003		0.3081	0.3081		0.3081	0.3081	0.0000	100.5544	100.5544	0.0980	0.0000	103.0038
Energy	0.2977	2.5855	1.3901	0.0162		0.2057	0.2057		0.2057	0.2057		3,247.1000	3,247.1000	0.0622	0.0595	3,266.3959
Mobile	95.7794	90.7473	959.5029	2.3062	284.0906	1.4655	285.5562	75.7245	1.3630	77.0875		245,637.1728	245,637.1728	13.6695	9.2285	248,728.9920
Total	**142.9865**	**93.9732**	**1,016.5931**	**2.3254**	**284.0906**	**1.9793**	**286.0699**	**75.7245**	**1.8767**	**77.6012**	**0.0000**	**248,984.8271**	**248,984.8271**	**13.8298**	**9.2880**	**252,098.3917**

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	46.9095	0.6404	55.7001	2.9500e-003		0.3081	0.3081		0.3081	0.3081	0.0000	100.5544	100.5544	0.0980	0.0000	103.0038
Energy	0.2977	2.5855	1.3901	0.0162		0.2057	0.2057		0.2057	0.2057		3,247.1000	3,247.1000	0.0622	0.0595	3,266.3959
Mobile	95.7794	90.7473	959.5029	2.3062	284.0906	1.4655	285.5562	75.7245	1.3630	77.0875		245,637.1728	245,637.1728	13.6695	9.2285	248,728.9920
Total	**142.9865**	**93.9732**	**1,016.5931**	**2.3254**	**284.0906**	**1.9793**	**286.0699**	**75.7245**	**1.8767**	**77.6012**	**0.0000**	**248,984.8271**	**248,984.8271**	**13.8298**	**9.2880**	**252,098.3917**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	95.7794	90.7473	959.5029	2.3062	284.0906	1.4655	285.5562	75.7245	1.3630	77.0875		245,637.1728	245,637.1728	13.6695	9.2285	248,728.9920
Unmitigated	95.7794	90.7473	959.5029	2.3062	284.0906	1.4655	285.5562	75.7245	1.3630	77.0875		245,637.1728	245,637.1728	13.6695	9.2285	248,728.9920

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,043.50	1,842.50	1534.30	7,475,081	7,475,081
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	28,531.02	36,900.61	22455.31	99,285,025	99,285,025
Total	30,574.52	38,743.11	23,989.61	106,760,106	106,760,106

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612
Enclosed Parking with Elevator	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612
Other Asphalt Surfaces	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612
Parking Lot	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612
Regional Shopping Center	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2977	2.5855	1.3901	0.0162		0.2057	0.2057		0.2057	0.2057		3,247.1000	3,247.1000	0.0622	0.0595	3,266.3959
NaturalGas Unmitigated	0.2977	2.5855	1.3901	0.0162		0.2057	0.2057		0.2057	0.2057		3,247.1000	3,247.1000	0.0622	0.0595	3,266.3959

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	20466.4	0.2207	1.8861	0.8026	0.0120		0.1525	0.1525		0.1525	0.1525		2,407.8148	2,407.8148	0.0462	0.0441	2,422.1232
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7133.92	0.0769	0.6994	0.5875	4.2000e-003		0.0532	0.0532		0.0532	0.0532		839.2852	839.2852	0.0161	0.0154	844.2727
Total		**0.2977**	**2.5855**	**1.3901**	**0.0162**		**0.2056**	**0.2056**		**0.2056**	**0.2056**		**3,247.1000**	**3,247.1000**	**0.0622**	**0.0595**	**3,266.3959**

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	20.4664	0.2207	1.8861	0.8026	0.0120		0.1525	0.1525		0.1525	0.1525		2,407.8148	2,407.8148	0.0462	0.0441	2,422.1232
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.13392	0.0769	0.6994	0.5875	4.2000e-003		0.0532	0.0532		0.0532	0.0532		839.2852	839.2852	0.0161	0.0154	844.2727
Total		**0.2977**	**2.5855**	**1.3901**	**0.0162**		**0.2056**	**0.2056**		**0.2056**	**0.2056**		**3,247.1000**	**3,247.1000**	**0.0622**	**0.0595**	**3,266.3959**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	46.9095	0.6404	55.7001	2.9500e-003		0.3081	0.3081		0.3081	0.3081	0.0000	100.5544	100.5544	0.0980	0.0000	103.0038
Unmitigated	46.9095	0.6404	55.7001	2.9500e-003		0.3081	0.3081		0.3081	0.3081	0.0000	100.5544	100.5544	0.0980	0.0000	103.0038

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.5821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	40.6254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7020	0.6404	55.7001	2.9500e-003		0.3081	0.3081		0.3081	0.3081		100.5544	100.5544	0.0980		103.0038
Total	**46.9095**	**0.6404**	**55.7001**	**2.9500e-003**		**0.3081**	**0.3081**		**0.3081**	**0.3081**	**0.0000**	**100.5544**	**100.5544**	**0.0980**	**0.0000**	**103.0038**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.5821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	40.6254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7020	0.6404	55.7001	2.9500e-003		0.3081	0.3081		0.3081	0.3081		100.5544	100.5544	0.0980		103.0038
Total	**46.9095**	**0.6404**	**55.7001**	**2.9500e-003**		**0.3081**	**0.3081**		**0.3081**	**0.3081**	**0.0000**	**100.5544**	**100.5544**	**0.0980**	**0.0000**	**103.0038**

7.0 Water Detail

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Brea Mall Mixed-Use Project, Option 2 Operational Run

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,159.33	1000sqft	4.57	1,159,332.00	0
Other Asphalt Surfaces	1,514.51	1000sqft	34.77	1,514,514.00	0
Parking Lot	766.58	1000sqft	17.62	766,576.00	0
Apartments Mid Rise	670.00	Dwelling Unit	0.00	750,300.00	1916
Regional Shopping Center	1,239.94	1000sqft	17.04	1,239,944.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2020 SCE Sustainability Report (see assumptions file for calcs)

Land Use - Mall structures have multiple stories, see assumptions file for calcs

Construction Phase -

Vehicle Trips - based on info provided by LLG, see assumptions file for calcs

Woodstoves - no fireplaces assumed for Option 2

Area Coating - accounts only for parking area, see assumptions file for calculations

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water And Wastewater - assumes 100% aerobic treatment, outdoor water based on the California Department of Water Resource Water Budget

Fleet Mix -

Energy Use - adjusted CalEEMod Energy use reflects blended CalEEMod default energy rates for historical and new uses

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	619970	619972
tblAreaCoating	Area_Nonresidential_Interior	1859910	1859916
tblAreaCoating	Area_Parking	206425	115554
tblEnergyUse	LightingElect	1.75	2.33
tblEnergyUse	LightingElect	5.71	6.74
tblEnergyUse	T24E	3.50	3.78
tblEnergyUse	T24E	2.62	3.68
tblEnergyUse	T24NG	0.94	1.05
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	569.50	0.00
tblFireplaces	NumberNoFireplace	67.00	0.00
tblFireplaces	NumberWood	33.50	0.00
tblLandUse	LandUseSquareFeet	1,159,330.00	1,159,332.00
tblLandUse	LandUseSquareFeet	1,514,510.00	1,514,514.00
tblLandUse	LandUseSquareFeet	766,580.00	766,576.00
tblLandUse	LandUseSquareFeet	670,000.00	750,300.00
tblLandUse	LandUseSquareFeet	1,239,940.00	1,239,944.00
tblLandUse	LotAcreage	26.61	4.57
tblLandUse	LotAcreage	17.60	17.62
tblLandUse	LotAcreage	17.63	0.00

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LotAcreage	28.47	17.04
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	ST_TR	4.91	2.75
tblVehicleTrips	ST_TR	46.12	29.76
tblVehicleTrips	SU_TR	4.09	2.29
tblVehicleTrips	SU_TR	21.10	18.11
tblVehicleTrips	WD_TR	5.44	3.05
tblVehicleTrips	WD_TR	37.75	23.01
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	27,520,493.87	2,326,926.00
tblWater	OutdoorWaterUseRate	56,292,392.37	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	33.50	0.00
tblWoodstoves	NumberNoncatalytic	33.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	46.9095	0.6404	55.7001	2.9500e-003		0.3081	0.3081		0.3081	0.3081	0.0000	100.5544	100.5544	0.0980	0.0000	103.0038
Energy	0.2977	2.5855	1.3901	0.0162		0.2057	0.2057		0.2057	0.2057		3,247.1000	3,247.1000	0.0622	0.0595	3,266.3959
Mobile	94.9536	97.3928	951.5288	2.2190	284.0906	1.4659	285.5566	75.7245	1.3634	77.0879		236,340.0739	236,340.0739	14.0623	9.5905	239,549.6014
Total	**142.1607**	**100.6187**	**1,008.6190**	**2.2382**	**284.0906**	**1.9797**	**286.0703**	**75.7245**	**1.8771**	**77.6016**	**0.0000**	**239,687.7282**	**239,687.7282**	**14.2226**	**9.6500**	**242,919.0010**

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	46.9095	0.6404	55.7001	2.9500e-003		0.3081	0.3081		0.3081	0.3081	0.0000	100.5544	100.5544	0.0980	0.0000	103.0038
Energy	0.2977	2.5855	1.3901	0.0162		0.2057	0.2057		0.2057	0.2057		3,247.1000	3,247.1000	0.0622	0.0595	3,266.3959
Mobile	94.9536	97.3928	951.5288	2.2190	284.0906	1.4659	285.5566	75.7245	1.3634	77.0879		236,340.0739	236,340.0739	14.0623	9.5905	239,549.6014
Total	**142.1607**	**100.6187**	**1,008.6190**	**2.2382**	**284.0906**	**1.9797**	**286.0703**	**75.7245**	**1.8771**	**77.6016**	**0.0000**	**239,687.7282**	**239,687.7282**	**14.2226**	**9.6500**	**242,919.0010**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	94.9536	97.3928	951.5288	2.2190	284.0906	1.4659	285.5566	75.7245	1.3634	77.0879		236,340.0739	236,340.0739	14.0623	9.5905	239,549.6014
Unmitigated	94.9536	97.3928	951.5288	2.2190	284.0906	1.4659	285.5566	75.7245	1.3634	77.0879		236,340.0739	236,340.0739	14.0623	9.5905	239,549.6014

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,043.50	1,842.50	1534.30	7,475,081	7,475,081
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	28,531.02	36,900.61	22455.31	99,285,025	99,285,025
Total	30,574.52	38,743.11	23,989.61	106,760,106	106,760,106

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612
Enclosed Parking with Elevator	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612
Other Asphalt Surfaces	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612
Parking Lot	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612
Regional Shopping Center	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025200	0.000692	0.003612

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2977	2.5855	1.3901	0.0162		0.2057	0.2057		0.2057	0.2057		3,247.1000	3,247.1000	0.0622	0.0595	3,266.3959
NaturalGas Unmitigated	0.2977	2.5855	1.3901	0.0162		0.2057	0.2057		0.2057	0.2057		3,247.1000	3,247.1000	0.0622	0.0595	3,266.3959

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	20466.4	0.2207	1.8861	0.8026	0.0120		0.1525	0.1525		0.1525	0.1525		2,407.8148	2,407.8148	0.0462	0.0441	2,422.1232
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7133.92	0.0769	0.6994	0.5875	4.2000e-003		0.0532	0.0532		0.0532	0.0532		839.2852	839.2852	0.0161	0.0154	844.2727
Total		**0.2977**	**2.5855**	**1.3901**	**0.0162**		**0.2056**	**0.2056**		**0.2056**	**0.2056**		**3,247.1000**	**3,247.1000**	**0.0622**	**0.0595**	**3,266.3959**

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	20.4664	0.2207	1.8861	0.8026	0.0120		0.1525	0.1525		0.1525	0.1525		2,407.8148	2,407.8148	0.0462	0.0441	2,422.1232
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.13392	0.0769	0.6994	0.5875	4.2000e-003		0.0532	0.0532		0.0532	0.0532		839.2852	839.2852	0.0161	0.0154	844.2727
Total		**0.2977**	**2.5855**	**1.3901**	**0.0162**		**0.2056**	**0.2056**		**0.2056**	**0.2056**		**3,247.1000**	**3,247.1000**	**0.0622**	**0.0595**	**3,266.3959**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	46.9095	0.6404	55.7001	2.9500e-003		0.3081	0.3081		0.3081	0.3081	0.0000	100.5544	100.5544	0.0980	0.0000	103.0038
Unmitigated	46.9095	0.6404	55.7001	2.9500e-003		0.3081	0.3081		0.3081	0.3081	0.0000	100.5544	100.5544	0.0980	0.0000	103.0038

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.5821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	40.6254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7020	0.6404	55.7001	2.9500e-003		0.3081	0.3081		0.3081	0.3081		100.5544	100.5544	0.0980		103.0038
Total	**46.9095**	**0.6404**	**55.7001**	**2.9500e-003**		**0.3081**	**0.3081**		**0.3081**	**0.3081**	**0.0000**	**100.5544**	**100.5544**	**0.0980**	**0.0000**	**103.0038**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.5821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	40.6254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7020	0.6404	55.7001	2.9500e-003		0.3081	0.3081		0.3081	0.3081		100.5544	100.5544	0.0980		103.0038
Total	**46.9095**	**0.6404**	**55.7001**	**2.9500e-003**		**0.3081**	**0.3081**		**0.3081**	**0.3081**	**0.0000**	**100.5544**	**100.5544**	**0.0980**	**0.0000**	**103.0038**

Brea Mall Mixed-Use Project, Option 2 Operational Run - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

LST Worksheets

Construction Localized Significance Thresholds: Building Demolition

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	0.50	25	82	168	550	17.50

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**103**	Tractors	0.5	0.0625	8	1	0.5
CO	**522**	Graders	0.5	0.0625			0
PM10	**43.62**	Dozers	0.5	0.0625			0
PM2.5	**16.44**	Scrapers	1	0.125			0
						Acres	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	104	121	159	252
	1	103	104	121	159	252
		103	104	121	159	252
CO	1	522	685	1014	1975	6531
	1	522	685	1014	1975	6531
		522	685	1014	1975	6531
PM10	1	4	10	24	53	137
	1	4	10	24	53	137
		4	10	24	53	137
PM2.5	1	3	4	9	20	74
	1	3	4	9	20	74
		3	4	9	20	74

North Orange County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	104	121	159	252
CO	522	685	1014	1975	6531
PM10	4	10	24	53	137
PM2.5	3	4	9	20	74

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	1	16	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building and Asphalt Demolition

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	1.00	25	82	168	550	17.50

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**103**	Tractors	0.5	0.0625	8	2	1
CO	**522**	Graders	0.5	0.0625			0
PM10	**43.62**	Dozers	0.5	0.0625			0
PM2.5	**16.44**	Scrapers	1	0.125			0
						Acres	1.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	104	121	159	252
	1	103	104	121	159	252
		103	104	121	159	252
CO	1	522	685	1014	1975	6531
	1	522	685	1014	1975	6531
		522	685	1014	1975	6531
PM10	1	4	10	24	53	137
	1	4	10	24	53	137
		4	10	24	53	137
PM2.5	1	3	4	9	20	74
	1	3	4	9	20	74
		3	4	9	20	74

North Orange County

1.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	104	121	159	252
CO	522	685	1014	1975	6531
PM10	4	10	24	53	137
PM2.5	3	4	9	20	74

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	1	16	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building and Asphalt Demolition and Debris Haul

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	1.00	25	82	168	550	17.50

Source Receptor	**North Orange County**
Distance (meters)	25
NOx	**103**
CO	**522**
PM10	**43.62**
PM2.5	**16.44**

Equipment	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Tractors	0.5	0.0625			0
Tractors	0.5	0.0625	8	2	1
Graders	0.5	0.0625			0
Dozers	0.5	0.0625			0
Scrapers	1	0.125			0
				Acres	1.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	104	121	159	252
	1	103	104	121	159	252
		103	104	121	159	252
CO	1	522	685	1014	1975	6531
	1	522	685	1014	1975	6531
		522	685	1014	1975	6531
PM10	1	4	10	24	53	137
	1	4	10	24	53	137
		4	10	24	53	137
PM2.5	1	3	4	9	20	74
	1	3	4	9	20	74
		3	4	9	20	74

North Orange County

1.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	104	121	159	252
CO	522	685	1014	1975	6531
PM10	4	10	24	53	137
PM2.5	3	4	9	20	74

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	1	16	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Site Preparation and Soil Haul

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	5.00	25	82	168	550	17.50

Source Receptor	**North Orange County**
Distance (meters)	25
NOx	**221**
CO	**1,311**
PM10	**68.62**
PM2.5	**27.85**

Equipment	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Tractors	0.5	0.0625			0
Tractors	0.5	0.0625	8	1	0.5
Graders	0.5	0.0625	8	4	2
Dozers	0.5	0.0625			0
Scrapers	1	0.125	8	8	8
				Acres	10.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	5	221	212	226	249	317
	5	221	212	226	249	317
		221	212	226	249	317
CO	5	1311	1731	2274	3605	8754
	5	1311	1731	2274	3605	8754
		1311	1731	2274	3605	8754
PM10	5	11	34	49	78	165
	5	11	34	49	78	165
		11	34	49	78	165
PM2.5	5	6	9	15	34	95
	5	6	9	15	34	95
		6	9	15	34	95

North Orange County

5.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	221	212	226	249	317
CO	1311	1731	2274	3605	8754
PM10	11	34	49	78	165
PM2.5	6	9	15	34	95

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	5	16	5
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Site Preparation and Soil Haul and Retail and Residential Building A Building Construction

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	5.00	25	82	168	550	17.50

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**221**	Tractors	0.5	0.0625	8	2	1
CO	**1,311**	Graders	0.5	0.0625	8	4	2
PM10	**68.62**	Dozers	0.5	0.0625			0
PM2.5	**27.85**	Scrapers	1	0.125	8	8	8
						Acres	11.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	5	221	212	226	249	317
	5	221	212	226	249	317
		221	212	226	249	317
CO	5	1311	1731	2274	3605	8754
	5	1311	1731	2274	3605	8754
		1311	1731	2274	3605	8754
PM10	5	11	34	49	78	165
	5	11	34	49	78	165
		11	34	49	78	165
PM2.5	5	6	9	15	34	95
	5	6	9	15	34	95
		6	9	15	34	95

North Orange County

5.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	221	212	226	249	317
CO	1311	1731	2274	3605	8754
PM10	11	34	49	78	165
PM2.5	6	9	15	34	95

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	5	16	5
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Retail and Residential Building A Building Construction

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	0.50	25	82	168	550	17.50

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**103**	Tractors	0.5	0.0625	8	1	0.5
CO	**522**	Graders	0.5	0.0625			0
PM10	**43.62**	Dozers	0.5	0.0625			0
PM2.5	**16.44**	Scrapers	1	0.125			0
						Acres	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	104	121	159	252
	1	103	104	121	159	252
		103	104	121	159	252
CO	1	522	685	1014	1975	6531
	1	522	685	1014	1975	6531
		522	685	1014	1975	6531
PM10	1	4	10	24	53	137
	1	4	10	24	53	137
		4	10	24	53	137
PM2.5	1	3	4	9	20	74
	1	3	4	9	20	74
		3	4	9	20	74

North Orange County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	104	121	159	252
CO	522	685	1014	1975	6531
PM10	4	10	24	53	137
PM2.5	3	4	9	20	74

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	1	16	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Retail and Residential Building A Building Construction and Retail Architectural Coating

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	0.50	25	82	168	550	17.50

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**103**	Tractors	0.5	0.0625	8	1	0.5
CO	**522**	Graders	0.5	0.0625			0
PM10	**43.62**	Dozers	0.5	0.0625			0
PM2.5	**16.44**	Scrapers	1	0.125			0
						Acres	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	104	121	159	252
	1	103	104	121	159	252
		103	104	121	159	252
CO	1	522	685	1014	1975	6531
	1	522	685	1014	1975	6531
		522	685	1014	1975	6531
PM10	1	4	10	24	53	137
	1	4	10	24	53	137
		4	10	24	53	137
PM2.5	1	3	4	9	20	74
	1	3	4	9	20	74
		3	4	9	20	74

North Orange County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	104	121	159	252
CO	522	685	1014	1975	6531
PM10	4	10	24	53	137
PM2.5	3	4	9	20	74

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	1	16	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Retail and Residential Building A Building Construction, Paving, and Finishing/Landscaping

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	1.50	25	82	168	550	17.50

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**125**	Tractors	0.5	0.0625	8	2	1
CO	**642**	Graders	0.5	0.0625	8	1	0.5
PM10	**47.12**	Dozers	0.5	0.0625			0
PM2.5	**18.12**	Scrapers	1	0.125			0
						Acres	1.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	104	121	159	252
	2	147	143	156	186	269
		125	124	139	173	261
CO	1	522	685	1014	1975	6531
	2	762	1010	1395	2444	7121
		642	848	1205	2210	6826
PM10	1	4	10	24	53	137
	2	6	17	31	60	145
		5	14	28	57	141
PM2.5	1	3	4	9	20	74
	2	4	6	11	24	79
		4	5	10	22	77

North Orange County

1.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	125	124	139	173	261
CO	642	848	1205	2210	6826
PM10	5	14	28	57	141
PM2.5	4	5	10	22	77

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	1	16	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Retail and Residential Building A Building Construction and Finishing/Landscaping

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	1.00	25	82	168	550	17.50

Source Receptor	**North Orange County**
Distance (meters)	25
NOx	**103**
CO	**522**
PM10	**43.62**
PM2.5	**16.44**

Equipment	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Tractors	0.5	0.0625			0
Tractors	0.5	0.0625	8	1	0.5
Graders	0.5	0.0625	8	1	0.5
Dozers	0.5	0.0625			0
Scrapers	1	0.125			0
				Acres	1.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	104	121	159	252
	1	103	104	121	159	252
		103	104	121	159	252
CO	1	522	685	1014	1975	6531
	1	522	685	1014	1975	6531
		522	685	1014	1975	6531
PM10	1	4	10	24	53	137
	1	4	10	24	53	137
		4	10	24	53	137
PM2.5	1	3	4	9	20	74
	1	3	4	9	20	74
		3	4	9	20	74

North Orange County

1.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	104	121	159	252
CO	522	685	1014	1975	6531
PM10	4	10	24	53	137
PM2.5	3	4	9	20	74

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	1	16	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Retail and Residential Building A Building Construction and Residential Building A Architectural Coating

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	0.50	25	82	168	550	17.50

Source Receptor	**North Orange County**
Distance (meters)	25
NOx	**103**
CO	**522**
PM10	**43.62**
PM2.5	**16.44**

Equipment	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Tractors	0.5	0.0625			0
Tractors	0.5	0.0625	8	1	0.5
Graders	0.5	0.0625			0
Dozers	0.5	0.0625			0
Scrapers	1	0.125			0
				Acres	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	104	121	159	252
	1	103	104	121	159	252
		103	104	121	159	252
CO	1	522	685	1014	1975	6531
	1	522	685	1014	1975	6531
		522	685	1014	1975	6531
PM10	1	4	10	24	53	137
	1	4	10	24	53	137
		4	10	24	53	137
PM2.5	1	3	4	9	20	74
	1	3	4	9	20	74
		3	4	9	20	74

North Orange County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	104	121	159	252
CO	522	685	1014	1975	6531
PM10	4	10	24	53	137
PM2.5	3	4	9	20	74

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	1	16	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Residential Building B Building Construction

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	0.50	25	82	168	550	17.50

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**103**	Tractors	0.5	0.0625	8	1	0.5
CO	**522**	Graders	0.5	0.0625			0
PM10	**43.62**	Dozers	0.5	0.0625			0
PM2.5	**16.44**	Scrapers	1	0.125			0
						Acres	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	104	121	159	252
	1	103	104	121	159	252
		103	104	121	159	252
CO	1	522	685	1014	1975	6531
	1	522	685	1014	1975	6531
		522	685	1014	1975	6531
PM10	1	4	10	24	53	137
	1	4	10	24	53	137
		4	10	24	53	137
PM2.5	1	3	4	9	20	74
	1	3	4	9	20	74
		3	4	9	20	74

North Orange County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	104	121	159	252
CO	522	685	1014	1975	6531
PM10	4	10	24	53	137
PM2.5	3	4	9	20	74

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	1	16	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Residential Building B Building Construction and Residential Building B Architectural Coating

		NOx & CO		*PM10 & PM2.5*		
SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
16	0.50	25	82	168	550	17.50

Source Receptor	**North Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**103**	Tractors	0.5	0.0625	8	1	0.5
CO	**522**	Graders	0.5	0.0625			0
PM10	**43.62**	Dozers	0.5	0.0625			0
PM2.5	**16.44**	Scrapers	1	0.125			0
						Acres	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	103	104	121	159	252
	1	103	104	121	159	252
		103	104	121	159	252
CO	1	522	685	1014	1975	6531
	1	522	685	1014	1975	6531
		522	685	1014	1975	6531
PM10	1	4	10	24	53	137
	1	4	10	24	53	137
		4	10	24	53	137
PM2.5	1	3	4	9	20	74
	1	3	4	9	20	74
		3	4	9	20	74

North Orange County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	103	104	121	159	252
CO	522	685	1014	1975	6531
PM10	4	10	24	53	137
PM2.5	3	4	9	20	74

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
16	1	16	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

SUMMARY OF MODEL CHANGES BETWEEN THE DRAFT EIR AND FINAL EIR

Air Quality

Table 5.2-5,Brea Mall Existing Criteria Air Pollutant Emissions

» Model: While the inputs into the model were the same for existing conditions between the two models, the 2021 model run used CalEEMod Version 2020.4 as compared to the 2019 model run, which used CalEEMod Version 2016.3.2. CalEEMod Version 2020.4 uses different emission and energy rates than Version 2016.3.2. CalEEMod Version 2020.4 uses mobile emission rate data from EMFAC 2017 while CalEEMod Version 2016.3.2 used data from EMFAC 2014. Within CalEEMod, EMFAC 2017 generally has lower emission rates for NOx for light duty vehicles and higher VOC emission rates for light duty vehicles, which is reflected in the 2021 model run outputs. Energy use from both models accounted for the 2019 Building Energy Efficiency Standards. While CalEEMod 2020.4 has the 2019 Title 24 standards built into the model, CalEEMod Version 2016.3.2 uses the 2016 Title 24 standards. The 2019 model run assumed a 30 percent improvement over the 2016 Title 24 Standards to account for the 2019 Title 24 standards, based on the assumptions from the CEC.[1] However, the 2019 Title 24 Standards incorporated into CalEEMod Version 2020.4 were based on a separate set of assumptions from NORESCO, which shows a comparatively lower energy savings.[2]

Table 5.2-10, Maximum Daily Regional Construction Emissions / Table 5.2-13, Localized Construction Emissions / Table 5.2-14, Construction Risk Summary

» Workdays: The 2021 model run assumed 870 workdays, as compared to 576 workdays in the 2019 model run. A higher number of workdays would result in higher annual emissions.

» Worker/Vendor Trips: The 2021 model run used default construction vendor trips and worker trips in the absence of project-specific data for the revised project. Overall, these trips were higher than those assumed for the 2019, which resulted in higher emissions during construction of the project.

» Model: The 2021 model run used CalEEMod Version 2020.4 as compared to the 2019 model run, which used CalEEMod Version 2016.3.2. CalEEMod Version 2020.4 uses different emission rates for off-road vehicles than Version 2016.3.2.

» Building Area: The 2021 model run used the building area and construction data from the revised project received in 2021. The revised project has a net reduction of mall/retail space by -64,200 square feet and a net increase in residential square feet by 55,553 (or 78 units). Overall, this would result in a net decrease in construction emissions.

[1] California Energy Commission (CEC). 2018, March. 2019 Building Energy Efficiency Standards Frequently Asked Questions. https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf

[2] NORESCO. 2018. 2019 Update to the California Energy Efficiency Standards for Residential and Non-Residential Buildings

Table 5.2-11, Brea Mall Mixed-Use Project Regional Operation Emissions

» Model: The 2021 model run used CalEEMod Version 2020.4 as compared to the 2019 model run, which used CalEEMod Version 2016.3.2. CalEEMod Version 2020.4 uses different emission rates than Version 2016.3.2. CalEEMod Version 2020.4 uses mobile emission rate data from EMFAC 2017 while CalEEMod Version 2016.3.2 used data from EMFAC 2014. Within CalEEMod, EMFAC 2017 generally has lower emission rates for NOx for light duty vehicles and higher VOC emission rates for light duty vehicles, which is reflected in the 2021 model run outputs. Energy use from both models accounted for the 2019 Building Energy Efficiency Standards. While CalEEMod 2020.4 has the 2019 Title 24 standards built into the model, CalEEMod Version 2016.3.2 uses the 2016 Title 24 standards. The 2019 model run assumed a 30 percent improvement over the 2016 Title 24 Standards to account for the 2019 Title 24 standards, based on the assumptions from the CEC.[3] However, the 2019 Title 24 Standards incorporated into CalEEMod Version 2020.4 were based on a separate set of assumptions from NORESCO, which shows a comparatively lower energy savings.[4]

» Operational Years: The 2021 model run used an operational year of 2025 as compared to the 2019 model run, which used an operational year of 2022.

» Building Area: The 2021 model run used the building area and construction data from the revised project received in 2021. The revised project has a net reduction of mall/retail space by -64,200 square feet and a net increase in residential square feet by 55,553 (or 78 units).

» Mobile Emissions: The 2021 model run used the trips generated for the revised project, which showed an overall reduction in trips compared to the 2019 model run. This resulted in a net decrease in operational mobile emissions.

» Energy emissions: Modeling uses the information from the 2020 SCE Sustainability Report for carbon intensity values in the 2021 model run (509.98 pounds per megawatt hour [lbs/MWH]) as compared to the 2019 model run, which used information from the 2018 SCE Sustainability Report (504.43 lbs/MWH). This would result in an increase in energy use in the 2021 model run.

Energy

Table 5.4-1, Electricity Consumption

» Model: While the inputs into the model were the same for existing conditions between the two models, the 2021 model run used CalEEMod Version 2020.4 as compared to the 2019 model run, which used CalEEMod Version 2016.3.2. CalEEMod Version 2020.4 uses different energy rates than Version 2016.3.2. Energy use from both models accounted for the 2019 Building Energy Efficiency Standards. While CalEEMod 2020.4 has the 2019 Title 24 standards built into the model, CalEEMod Version 2016.3.2 uses the 2016 Title 24 standards. The 2019 model run assumed a 30 percent improvement over the 2016 Title 24 Standards to account for the 2019 Title 24 standards, based on the assumptions from the CEC.[5] However, the 2019 Title 24 Standards incorporated into

[3] California Energy Commission (CEC). 2018, March. 2019 Building Energy Efficiency Standards Frequently Asked Questions. https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf

[4] NORESCO. 2018. 2019 Update to the California Energy Efficiency Standards for Residential and Non-Residential Buildings

[5] California Energy Commission (CEC). 2018, March. 2019 Building Energy Efficiency Standards Frequently Asked Questions. https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf

CalEEMod Version 2020.4 were based on a separate set of assumptions from NORESCO, which shows a comparatively lower energy savings.[6]

Table 5.4-3, Construction-Related Fuel Usage

» Workdays: The 2021 model run assumed 870 workdays, as compared to 576 workdays in the 2019 model run. A higher number of workdays would result in higher annual fuel use.

» Worker/Vendor Trips: The 2021 model run used default construction vendor trips and worker trips in the absence of project-specific data for the revised project. Overall, these trips were higher than those assumed for the 2019 run, which resulted in higher fuel use during construction of the project.

Table 5.4-4, Brea Mall Mixed Use Project Electricity Consumption

» Building Area: The 2021 model run used the building area and construction data from the revised project received in 2021. The revised project had net increase in residential square feet by 55,553 (or 78 units), which contributed to a higher energy use for the apartment uses.

» Model: The 2021 model run used CalEEMod Version 2020.4 as compared to the 2019 model run, which used CalEEMod Version 2016.3.2. CalEEMod Version 2020.4 uses different emission rates than Version 2016.3.2. For uses such as the parking structure, fitness center, and shopping center, Version 2020.4 had higher emission rates than Version 2016.3.2.

» 'Blended' Rates: Both the 2019 model run and 2021 model run used blended rates to account for existing uses to remain, but the 2019 model run also included the additional 30 percent reduction to account for the 2019 Building and Energy Efficiency Standards of Title 24 (T24). The 2021 model run also included blended energy rates for lighting, which were not done in the 2019 model run (only did T24 blended energy). The 2021 model run also incorporated the NORESCO study rates as part of the model.

Greenhouse Gas Emissions

Table 5.5-5, Existing GHG Emissions Inventory

» Model: While the inputs into the model were the same for existing conditions between the two models, the 2021 model run used CalEEMod Version 2020.4 as compared to the 2019 model run, which used CalEEMod Version 2016.3.2. CalEEMod Version 2020.4 uses different emission rates than Version 2016.3.2. CalEEMod Version 2020.4 uses mobile emission rate data from EMFAC 2017 while CalEEMod Version 2016.3.2 used data from EMFAC 2014. Within CalEEMod, EMFAC 2017 generally has lower emission rates based on the assumptions that newer vehicle models are more efficient than older models and that older vehicle models are removed from circulation over time. Energy use from both models accounted for the 2019 Building Energy Efficiency Standards. While CalEEMod 2020.4 has the 2019 Title 24 standards built into the model, CalEEMod Version 2016.3.2 uses the 2016 Title 24 standards. The 2019 model run assumed a 30 percent improvement over the 2016 Title 24 Standards, based on the assumptions from the CEC.[7] However, the 2019 Title 24 Standards

[6] NORESCO. 2018. 2019 Update to the California Energy Efficiency Standards for Residential and Non-Residential Buildings

[7] California Energy Commission (CEC). 2018, March. 2019 Building Energy Efficiency Standards Frequently Asked Questions. https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf

incorporated into CalEEMod Version 2020.4 were based on a separate set of assumptions from NORESCO, which shows a comparatively lower energy savings.[8]

» Energy emissions: Modeling uses the default carbon intensity values from CalEEMod in the 2021 existing conditions model run (531.44) as compared to the 2019 model run, which used information from the 2018 SCE Sustainability Report (504.43). This would result in an increase in energy use in the 2021 model run.

Table 5.5-6, Project-Related GHG Emissions

» Model: The 2021 model run used CalEEMod Version 2020.4 as compared to the 2019 model run, which used CalEEMod Version 2016.3.2. CalEEMod Version 2020.4 uses different emission rates than Version 2016.3.2. CalEEMod Version 2020.4 uses mobile emission rate data from EMFAC 2017 while CalEEMod Version 2016.3.2 used data from EMFAC 2014. Within CalEEMod, EMFAC 2017 generally has lower emission rates based on the assumptions that newer vehicle models are more efficient than older models and that older vehicle models are removed from circulation over time. Energy use from both models accounted for the 2019 Building Energy Efficiency Standards. While CalEEMod 2020.4 has the 2019 Title 24 standards built into the model, CalEEMod Version 2016.3.2 uses the 2016 Title 24 standards. The 2019 model run assumed a 30 percent improvement over the 2016 Title 24 Standards, based on the assumptions from the CEC.[9] However, the 2019 Title 24 Standards incorporated into CalEEMod Version 2020.4 were based on a separate set of assumptions from NORESCO, which shows a comparatively lower energy savings.[10]

» Operational Years: The 2021 model run used an operational year of 2025 as compared to the 2019 model run, which used an operational year of 2022.

» Building Area: The 2021 model run used the building area and construction data from the revised project received in 2021. The revised project has a net reduction of mall/retail space by -64,200 square feet and a net increase in residential square feet by 55,553 (or 78 units).

» Mobile Emissions: The 2021 model run used the trips generated for the revised project, which showed an overall reduction in trips compared to the 2019 model run. This resulted in a net decrease in operational mobile emissions.

[8] NORESCO. 2018. 2019 Update to the California Energy Efficiency Standards for Residential and Non-Residential Buildings

[9] California Energy Commission (CEC). 2018, March. 2019 Building Energy Efficiency Standards Frequently Asked Questions. https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf

[10] NORESCO. 2018. 2019 Update to the California Energy Efficiency Standards for Residential and Non-Residential Buildings

Appendix B2: Construction Health Risk Assessment

Appendices

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1. Construction Health Risk Assessment

1.1 INTRODUCTION

The Brea Mall—1065 Brea Mall, City of Brea—encompasses approximately 74 acres in northeast Orange County. As a result of the recent acquisition of the Sears parcel, the Simon Property Group (Simon Properties, or Applicant) is proposing redevelopment of that parcel and adjoining transition areas adjacent to Nordstrom and Macy's at the Brea Mall. The proposed redevelopment would be on an approximately 17.5-acre site ("project area") in the southwest portion of the Brea Mall. The Brea Mall is west of State Route 57 (SR-57) and is generally bounded by State College Boulevard to the east, Imperial Highway (State Route 90) to the south, South Randolph Avenue to the west, the City of Brea City Hall and Embassy Suites by Hilton to the northwest, and East Birch Street to the north

In January 2020, the City issued a Draft Environmental Impact Report for the Brea Mall Mixed Use Project (SCH No. 20190800299) (DEIR), which proposed the redevelopment of an approximately 17.5-acre portion of the 73.8-acre Brea Mall. The redevelopment was triggered by the closure of Sears, one of the retail anchors at the mall, and the acquisition of the Sears parcel by Simon Properties, the majority landowner and operator of the Brea Mall, and project proponent. The DEIR analyzed the potential impacts of redeveloping the Sears parcel and immediately surrounding Mall property with a mixed-use project that would include new retail and restaurant spaces, for-rent residential apartments, a resort-type (lifestyle) fitness center, and a large central green which could be used as a plaza/gathering space for community events. The project proposed a net increase of 149,625 square feet of commercial square footage, and 312 residential units.

In March 2020, as a result of the Statewide restrictions imposed in response to the Covid-19 pandemic, including the temporary closure and subsequent limited re-opening of retail malls and restaurants within California, the project proponent requested that the application be placed on hold. In late 2020, the project proponent informed the City that they would like to continue processing its application, but that they had also made modifications to the proposed project and site plan in response to the changing retail, commercial and residential market.

The proposed project includes the same mix of retail, commercial, residential and recreational uses but on a slightly smaller scale and includes two options (Option 1 and Option 2) for development. Additionally, the footprint of the redevelopment work would cover approximately 15.5 acres, instead of the 17.5 acres. Under proposed project Option 1, there would be an increase of 85,425 square feet of new commercial uses and 390 apartment units; compared to a net increase of 149,625 square feet of new commercial uses and 312 units in the original application. Under proposed project Option 2, the lifestyle fitness would not be constructed. In its place, there would be a second residential building consisting of 280 multi-family units. Proposed project Option 2 would result in an overall reduction in commercial retail square footage and would reduce the amount of total commercial/retail square footage by 42,575 square feet and 670 units.

The proposed project would involve demolition, site preparation, grading, building construction, architectural coating, paving, and finishing and landscaping. The following provides the background methodology used for the construction health risk assessment for the proposed project.

Project construction would be phased over an approximately 40-month period for Option 1 and phased in over an approximately 66-month period for Option 2. Construction of either Option 1 or Option 2 is anticipated to commence in summer 2022. The nearest sensitive receptors to the project site are the single-family residences approximately 570 feet to the west fronting Pine Avenue. Guidance from the California Environmental Protection Agency (Cal/EPA), Office of Environmental Health Hazard Assessment (OEHHA), California Air Pollution Control Officers Association (CAPCOA), and the South Coast Air Quality Management District (South Coast AQMD) recommend the completion of health risk assessments (HRA) to determine the impacts of hazardous air emissions upon sensitive receptors in the vicinity of the project. As a result, a site-specific construction health risk assessment (HRA) has been prepared for the proposed project. This HRA considers the health impact to sensitive receptors (adults and children in the nearby residences) of construction emissions at the project site from diesel equipment exhaust (diesel particulate matter or DPM).

It should be noted that these health impacts are based on conservative (i.e., health protective) assumptions. The United States Environmental Protection Agency (USEPA, 2005) and the Office of Environmental Health Hazard Assessment (OEHHA, 2015) note that conservative assumptions used in a risk assessment are intended to ensure that the estimated risks do not underestimate the actual risks. Therefore, the estimated risks may not necessarily represent actual risks experienced by populations at or near a site. The use of conservative assumptions tends to produce upper-bound estimates of exposure and thus risk.

For residential-based receptors, the following conservative assumptions were used:

- It was assumed that maximum-exposed off-site residential receptors (both children and adults) stood outdoors and are subject to DPM at their residence for 8 hours per day, and approximately 260 construction days per year. In reality, California residents typically will spend on average 2 hours per day outdoors at their residences (USEPA, 2011). This would result in lower exposures to construction related DPM emissions and lower estimated risk values.

- The calculated risk for infants from third trimester to age 2 is multiplied by a factor of 10 to account for early life exposure and uncertainty in child versus adult exposure impacts (OEHHA, 2015).

1.2 METHODOLOGY AND SIGNIFICANCE THRESHOLDS

For this HRA, the South Coast AQMD significance thresholds were deemed to be appropriate and the thresholds that were used for this project are shown below:

- Excess cancer risk of more than 10 in a million
- Non-cancer hazard index (chronic or acute) greater than 1.0

The methodology used in this HRA is consistent with the following South Coast AQMD and the OEHHA guidance documents:

- OEHHA. 2015. *Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments.* February, 2015.

Potential exposures to DPM from proposed project construction were evaluated for off-site sensitive receptors in close proximity to the site. Pollutant concentrations were estimated using an air dispersion model, and excess lifetime cancer risks and chronic non-cancer hazard indexes were calculated. These risks were then compared to the significance thresholds adopted for this HRA.

1.3 CONSTRUCTION EMISSIONS

Construction emissions were calculated as average daily emissions in pounds per day, using the proposed construction schedule and the latest version of California Emissions Estimation Model, known as CalEEMod Version 2020.4 (CAPCOA, 2021). DPM emissions were based on the CalEEMod construction runs, using annual exhaust PM_{10} construction emissions presented in pounds (lbs) per day.

Option 1 was assumed to take place over 40 months (870 workdays or 3.34 years) from the beginning of June 2022 through September 2025. Option 2 was assumed to take place over 66 months (1,435 workdays or 5.5 years) from the beginning of June 2022 through September 2025, continuing February 2026 through March 2028. The average daily emission rates from construction equipment used during the proposed project were determined by dividing the annual average emissions for each construction year by the number of construction days per year for each calendar year of construction (i.e., 2022 through 2028). The off-site hauling emission rates were adjusted to evaluate localized emissions from the 0.56-mile haul route within 1,000 feet of the project site. The CalEEMod construction emissions output and emission rate calculations are provided in Appendix A of the HRA.

1.4 DISPERSION MODELING

Air quality modeling was performed using the AERMOD atmospheric dispersion model to assess the impact of emitted compounds on sensitive receptors near the project. The model is a steady state Gaussian plume model and is an approved model by South Coast AQMD for estimating ground level impacts from point and fugitive sources in simple and complex terrain. The on-site construction emissions for the project were modeled as poly-area sources. The off-site mobile sources were modeled as adjacent line volume sources. The model requires additional input parameters, including chemical emission data and local meteorology. Inputs for the construction emission rates are those described in Section 1.3. Meteorological data obtained from the South Coast AQMD for the nearest representative meteorological station (Fullerton Airport) with the five latest available years (2012 to 2016) of record were used to represent local weather conditions and prevailing winds. The prevailing wind direction at the Fullerton Airport meteorological station is to the northeast, and the wind rose is provided in Appendix A.

The modeling analysis also considered the spatial distribution and elevation of each emitting source in relation to the sensitive receptors. To accommodate the model's Cartesian grid format, direction-dependent calculations were obtained by identifying the Universal Transverse Mercator (UTM) coordinates for each source location. In addition, digital elevation model (DEM) data for the area were obtained and included in the model runs to account for complex terrain. An emission release height of 4.15 meters was used as representative of the stack exhaust height for off-road construction equipment and diesel truck traffic, and an initial vertical dispersion parameter of 1.93 m was used, per California Air Resources Board (CARB) guidance (2000).

To determine contaminant impacts during construction hours, the model's Hour-By-Day-of-Week (HRDOW) scalar option was invoked to predict ground-level concentrations for construction emissions generated between the hours of 7:00 AM and 4:00 PM with a 1-hour lunch break.

A unit emission rate of 1 gram per second was used for all modeling runs. The unit emission rates were proportioned over the poly-area sources for on-site construction emissions and divided between the volume sources for off-site hauling emissions. The maximum modeled concentrations from the output files were then multiplied by the emission rates calculated in Appendix A to obtain the maximum flagpole-level concentrations at the off-site maximum exposed receptor (MER). As shown in Figure 1, the MER is a single-family residence west of the site along Pine Avenue. The MER location is the receptor location associated with the maximum AERMOD predicted DPM concentrations from the on-site emission source because the calculated on-site emission rates are approximately 2 to 3 orders of magnitude higher than the calculated off-site emission rates (see Appendix A). Therefore, the maximum concentrations associated with the on-site emission sources produce the highest overall ground-level MER concentrations and, consequently, highest calculated health risks.

The air dispersion model output for the emission sources is presented in Appendix B. The model output DPM concentrations from the construction emission sources are provided in Appendix C.

1.5 RISK CHARACTERIZATION

1.5.1 Carcinogenic Chemical Risk

Carcinogenic compounds are not considered to have threshold levels (i.e., dose levels below which there are no risks). Therefore, any exposure will have some associated risk. The South Coast AQMD has established a maximum incremental cancer risk of 10 in a million (1×10^{-5} or 10×10^{-6}) for CEQA projects and the OEHHA also sets a typical risk management level as 10 in a million (OEHHA, 2015).

Health risks associated with exposure to carcinogenic compounds can be defined in terms of the probability of developing cancer from exposure to a chemical at a given concentration. The cancer risk probability is determined by multiplying the chemical's annual concentration by its cancer potency factor (CPF), a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It is an upper-limit estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu g/m^3$), averaged over a lifetime of 70 years.

Recent guidance from OEHHA recommends a refinement to the standard point estimate approach with the use of age-specific breathing rates and age sensitivity factors (ASFs) to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose for each age group. Once determined, contaminant dose is multiplied by the cancer potency factor in units of inverse dose expressed in milligrams per kilogram per day $(mg/kg/day)^{-1}$ to derive the cancer risk estimate. Therefore, the following dose algorithm was used to accommodate the unique exposures associated with each receptor type.

$$\text{Dose}_{\text{AIR,per age group}} = \left(C_{air} \times EF \times \left[\frac{BR}{BW}\right] \times A \times CF\right)$$

Where:

Dose_{AIR}	=	dose by inhalation (mg/kg-day), per age group
C_{air}	=	concentration of contaminant in air ($\mu g/m^3$)
EF	=	exposure frequency (number of days/365 days)
BR/BW	=	daily breathing rate normalized to body weight (L/kg-day)
A	=	inhalation absorption factor (default = 1)
CF	=	conversion factor ($1x10^{-6}$, µg to mg, L to m^3)

The inhalation absorption factor (A) is a unitless factor that is only used if the cancer potency factor included a correction for absorption across the lung. The default value of 1 was used for this assessment. For residential receptors, the exposure frequency (EF) of 0.96 is used to represent 350 days per year to allow for a two-week period away from home each year (OEHHA, 2015). The 95th percentile daily breathing rates (BR/BW), exposure duration (ED), age sensitivity factors (ASFs), and fraction of time at home (FAH) for the various age groups are provided herein:

Age Groups	BR/BW (L/kg-day)	ED	ASF	FAH
Third trimester	361	0.25	10	0.85
0-2 age group	1,090	2	10	0.85
2-9 age group	861	7	3	0.72
2-16 age group	745	14	3	0.72
16-30 age group	335	14	1	0.73
16-70 age group	290	54	1	0.73

For construction analysis, the exposure duration spans the length of construction (e.g., 3.34 years for Option 1 and 5.5 years for Option 2). In addition, the construction duration each year was considered in the risk calculations to account for the number of days residents are exposed to construction emissions from 2022 through 2025 for Option 1 and 2022 through 2028 for Option 2. As the length of construction for either option is longer than 2.25 years, the third trimester, 0-2, and 2-9 age bins apply to the construction analysis for the off-site residential receptors.

To calculate the overall cancer risk, the risk for each appropriate age group is calculated per the following equation:

$$\text{Cancer Risk}_{\text{AIR}} = \text{Dose}_{\text{AIR}} \times \text{CPF} \times \text{ASF} \times \text{FAH} \times \frac{\text{ED}}{AT}$$

Where:

Dose_{AIR}	=	dose by inhalation (mg/kg-day), per age group
CPF	=	cancer potency factor, chemical-specific $(\text{mg/kg-day})^{-1}$
ASF	=	age sensitivity factor, per age group
FAH	=	fraction of time at home, per age group (for residential receptors only)
ED	=	exposure duration (years)
AT	=	averaging time period over which exposure duration is averaged (70 years)

The CPFs used in the assessment were obtained from OEHHA guidance. The excess lifetime cancer risks during the construction period to the maximally exposed resident were calculated based on the factors provided above. The cancer risks for each age group are summed to estimate the total cancer risk for each toxic chemical species. The final step converts the cancer risk in scientific notation to a whole number that expresses the cancer risk in "chances per million" by multiplying the cancer risk by a factor of $1x10^6$ (i.e., 1 million).

The calculated results are provided in Appendix C.

1.5.2 Non-Carcinogenic Hazards

An evaluation was also conducted of the potential non-cancer effects of chronic chemical exposures. Adverse health effects are evaluated by comparing the annual receptor level (flagpole) concentration of each chemical compound with the appropriate reference exposure limit (REL). Available RELs promulgated by OEHHA were considered in the assessment.

The hazard index approach was used to quantify non-carcinogenic impacts. The hazard index assumes that chronic sub-threshold exposures adversely affect a specific organ or organ system (toxicological endpoint). Target organs presented in regulatory guidance were used for each discrete chemical exposure. To calculate the hazard index, each chemical concentration or dose is divided by the appropriate toxicity value. This ratio is summed for compounds affecting the same toxicological endpoint. A health hazard is presumed to exist where the total equals or exceeds one.

The chronic hazard analysis for DPM is provided in Appendix C. The calculations contain the relevant exposure concentrations and corresponding reference dose values used in the evaluation of non-carcinogenic exposures.

1.6 CONSTRUCTION HRA RESULTS

The calculated results are provided in Appendix C and the results are summarized in Table 1.

TABLE 1. CONSTRUCTION RISK SUMMARY - UNMITIGATED

Receptor	Cancer Risk (per million)	Chronic Hazards
Maximum Exposed Receptor - Resident – Option 1	2.6	0.007
Maximum Exposed Receptor - Resident – Option 2	2.8	0.009
South Coast AQMD Threshold	10	1.0
Exceeds Threshold?	**No**	**No**

Note: Cancer risk calculated using 2015 OEHHA HRA guidance.

Cancer risk for the maximum exposed receptor from project-related construction emissions was calculated to be 2.6 in a million for Option 1 and 2.8 in a million for Option 2, which would not exceed the 10 in a million significance threshold. In accordance with the latest 2015 OEHHA guidance, the calculated total cancer risk conservatively assumes that the risk for the MER consists of a pregnant woman in the third trimester that subsequently gives birth to an infant during the construction period; therefore, all calculated risk values were multiplied by a factor of 10 for the first 2.25 years and by 3 for the remaining years. In addition, it was conservatively assumed that the residents were outdoors 8 hours a day and exposed to all of the daily construction emissions. For non-carcinogenic effects, the chronic hazard index identified for each toxicological endpoint totaled less than one for all the off-site sensitive receptors for both Option 1 and Option 2. Therefore, the project would not expose off-site sensitive receptors to substantial concentrations of air pollutant emissions during construction and impacts would be *less than significant*.

Although not needed to mitigate localized health risks, the following mitigation measure is proposed in the Draft Environmental Impact Report to reduce nitrogen oxide emissions:

> **Mitigation Measure AQ-1:** The construction contractor(s) shall, at minimum, use equipment that meets the United States Environmental Protection Agency's (EPA) Tier 4 (Final) emissions standards for off-road diesel-powered construction equipment with more than 50 horsepower. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what

could be achieved by Tier 4 emissions standards for a similarly sized engine, as defined by the California Air Resources Board's regulations. Prior to construction, the project engineer shall ensure that all plans clearly show the requirement for EPA Tier 4 emissions standards for construction equipment over 50 horsepower for the specific activities stated above. During construction, the construction contractor shall maintain a list of all operating equipment associated with building demolition in use on the site for verification by the City. The construction equipment list shall state the makes, models, and numbers of construction equipment onsite. Equipment shall be properly serviced and maintained in accordance with the manufacturer's recommendations.

Mitigation Measure AQ-1 would further reduce the project's localized construction emissions, as shown in the following table. The results indicate that, with mitigation, the cancer risks and chronic hazard indices would be further reduced well below the South Coast AQMD's significance thresholds.

TABLE 2. CONSTRUCTION RISK SUMMARY - MITIGATED

Receptor	Cancer Risk (per million)	Chronic Hazards
Maximum Exposed Receptor - Resident – Option 1	0.3	0.001
Maximum Exposed Receptor - Resident – Option 2	0.4	0.001
South Coast AQMD Threshold	10	1.0
Exceeds Threshold?	**No**	**No**

Risks incorporate Mitigation Measure AQ-1, which includes using construction equipment which meets USEPA Tier 4 Final engine requirements for equipment over 50 horsepower.
Note: Cancer risk calculated using 2015 OEHHA HRA guidance.

2. References

California Air Pollution Control Officers Association (CAPCOA). 2021. California Emissions Estimator Model (CalEEMod). Version 2020.4. Prepared by: BREEZE Software, A Division of Trinity Consultants in collaboration with South Coast Air Quality Management District and the California Air Districts.

California Air Resources Board (CARB). 2000. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles.*

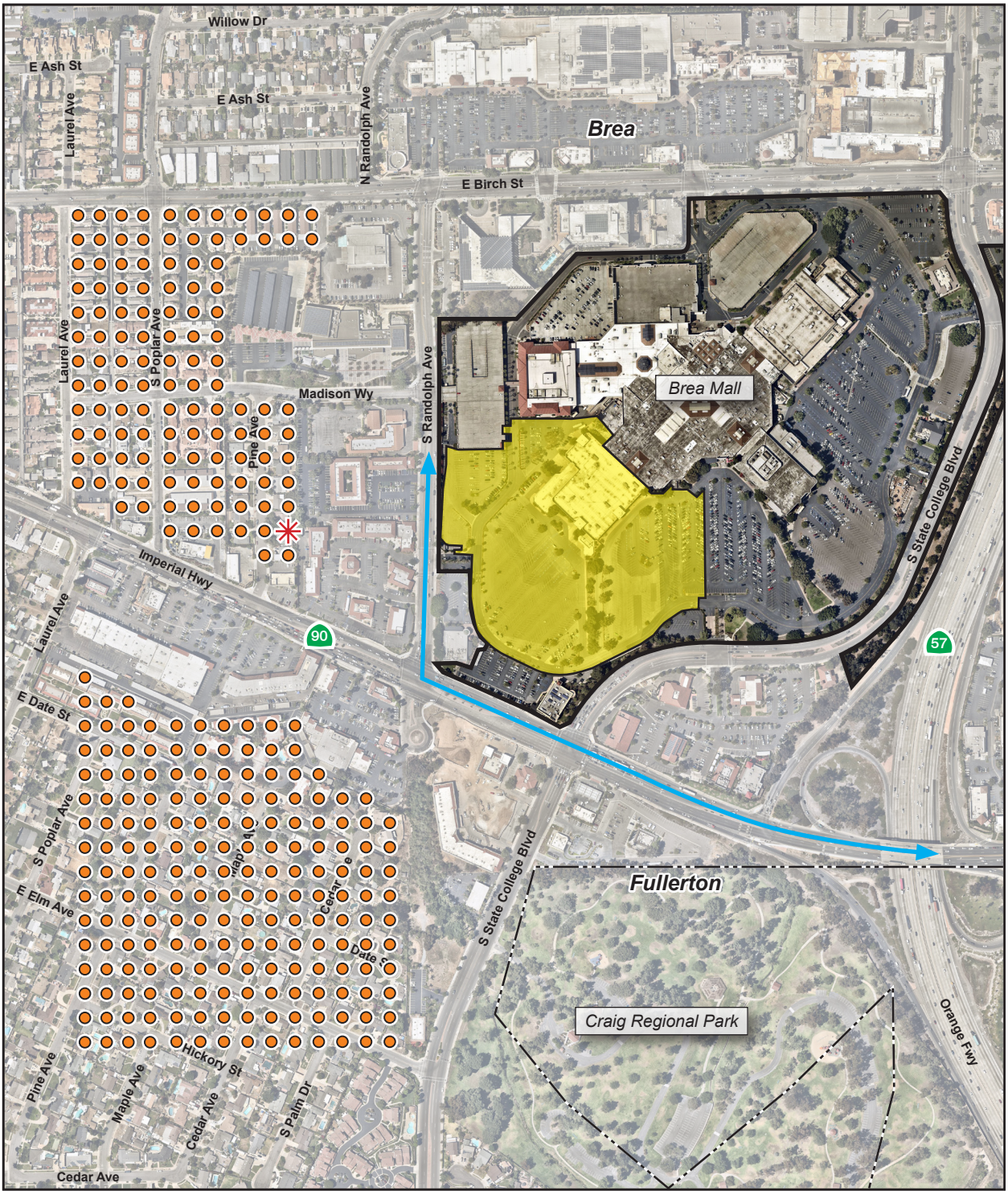
Office of Environmental Health Hazard Assessment (OEHHA). 2015. *Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments.* Dated February 2015.

South Coast Air Quality Management District (South Coast AQMD). 2021, May 14 (accessed). 2012-2016. Meteorological Data Set for Fullerton Airport Meteorological Station. http://www.aqmd.gov/home/air-quality/meteorological-data/data-for-aermod.

United States Environmental Protection Agency (USEPA). 2011. *Exposure Factors Handbook 2011 Edition (Final).* EPA/600/R-09/052F, 2011.

_____. 2005. *Guideline on Air Quality Models* (Revised). EPA-450/2-78-027R.

Figure 1 - Project Site and Off-Site Receptor Locations



Base Map Source: Nearmap, 2021

Appendix A. Emission Rate Calculations

Average Daily Emissions and Emission Rates: Unmitigated Scenario, Option 1

Onsite Construction PM10 Exhaust Emissions[1]

	Year	Annual PM10 Exhaust Emissions (Tons/Year)	Annual PM10 Exhaust Emissions (lbs/Year)	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/hr)	Emission Rate (g/s)	# of Workdays/ Year	Construction Duration[2]
All Subphases	2022	0.1457	291.48	153	1.91	2.38E-01	3.00E-02	260	0.59
	2023	0.0946	189.28	260	0.73	9.10E-02	1.15E-02	260	1.00
	2024	0.0367	73.44	262	0.28	3.50E-02	4.41E-03	262	1.00
	2025	0.0265	53.00	195	0.27	3.40E-02	4.28E-03	261	0.75

Offsite Construction PM10 Exhaust Emissions[1]

	Year	Annual PM10 Exhaust Emissions (Tons/Year)	Annual PM10 Exhaust Emissions (lbs/Year)	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Hauling Emissions w/in 1,000 ft (lbs/day) [3]	Emission Rate (lbs/hr)	Emission Rate (g/s)
All Subphases	2022	0.0023	4.66	153	3.05E-02	8.47E-04	1.06E-04	1.33E-05
	2023	0.0050	10.08	260	3.88E-02	1.08E-03	1.35E-04	1.70E-05
	2024	0.0048	9.60	262	3.66E-02	1.02E-03	1.27E-04	1.61E-05
	2025	0.0036	7.12	195	3.65E-02	1.02E-03	1.27E-04	1.60E-05

Note: Emissions evenly distributed over 47 modeled volume sources.

	Offsite	
Hauling Length (miles)	20.0	miles
Haul Length within 1,000 ft of Site (mile) [3]	0.56	miles
Hours per work day (7:00 AM to 4:00 PM, 1-hour of breaks) [4]	8	hours

[1] DPM emissions taken as PM_{10} exhaust emissions from CalEEMod average daily emissions.

[2] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App C - Risk Calculations).

[3] Emissions from CalEEMod offsite average daily emissions, which is based on proportioned haul truck trip distances , are adjusted to evaluate emissions from the **0.56-**mile route within 1,000 of the project site.

[4] Work hours applied in By Hour/Day (HRDOW) variable emissions module in air dispersion model (see App C - Air Dispersion Model Output Files).

Average Daily Emissions and Emission Rates: Mitigated Scenario with Tier 4 Engines, Option 1

Onsite Construction PM10 Exhaust Emissions[1]

	Year	Annual PM10 Exhaust Emissions (Tons/Year)	Annual PM10 Exhaust Emissions (lbs/Year)	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/hr)	Emission Rate (g/s)	# of Workdays/ Year	Construction Duration[2]
All Subphases	2022	0.0112	22.36	153	0.15	1.83E-02	2.30E-03	260	0.59
	2023	0.0123	24.56	260	0.09	1.18E-02	1.49E-03	260	1.00
	2024	0.0087	17.44	262	0.07	8.32E-03	1.05E-03	262	1.00
	2025	0.0066	13.20	195	0.07	8.46E-03	1.07E-03	261	0.75

Offsite Construction PM10 Exhaust Emissions[1]

	Year	Annual PM10 Exhaust Emissions (Tons/Year)	Annual PM10 Exhaust Emissions (lbs/Year)	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Hauling Emissions w/in 1,000 ft (lbs/day) [3]	Emission Rate (lbs/hr)	Emission Rate (g/s)
All Subphases	2022	0.0023	4.66	153	3.05E-02	8.47E-04	1.06E-04	1.33E-05
	2023	0.0050	10.08	260	3.88E-02	1.08E-03	1.35E-04	1.70E-05
	2024	0.0048	9.60	262	3.66E-02	1.02E-03	1.27E-04	1.61E-05
	2025	0.0036	7.12	195	3.65E-02	1.02E-03	1.27E-04	1.60E-05

Note: Emissions evenly distributed over 47 modeled volume sources.

	Offsite	
Hauling Length (miles)	20.0	miles
Haul Length within 1,000 ft of Site (mile) [3]	0.56	miles
Hours per work day (7:00 AM to 4:00 PM, 1-hour of breaks) [4]	8	hours

[1] DPM emissions taken as PM_{10} exhaust emissions from CalEEMod average daily emissions.

[2] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App C - Risk Calculations).

[3] Emissions from CalEEMod offsite average daily emissions, which is based on proportioned haul truck trip distances , are adjusted to evaluate emissions from the **0.56-**mile route within 1,000 of the project site.

[4] Work hours applied in By Hour/Day (HRDOW) variable emissions module in air dispersion model (see App C - Air Dispersion Model Output Files).

Average Daily Emissions and Emission Rates: Unmitigated Scenario, Option 2

Onsite Construction PM10 Exhaust Emissions[1]

	Year	Annual PM10 Exhaust Emissions (Tons/Year)	Annual PM10 Exhaust Emissions (lbs/Year)	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/hr)	Emission Rate (g/s)	# of Workdays/ Year	Construction Duration[2]
All Subphases	2022	0.1457	291.48	153	1.91	2.38E-01	3.00E-02	260	0.59
	2023	0.0946	189.28	260	0.73	9.10E-02	1.15E-02	260	1.00
	2024	0.0367	73.44	262	0.28	3.50E-02	4.41E-03	262	1.00
	2025	0.0265	53.00	195	0.27	3.40E-02	4.28E-03	261	0.75
	2026	0.0283	56.60	239	0.24	2.96E-02	3.73E-03	261	0.92
	2027	0.0309	61.80	261	0.24	2.96E-02	3.73E-03	261	1.00
	2028	0.0105	21.04	65	0.32	4.05E-02	5.10E-03	260	0.25

Offsite Construction PM10 Exhaust Emissions[1]

	Year	Annual PM10 Exhaust Emissions (Tons/Year)	Annual PM10 Exhaust Emissions (lbs/Year)	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Hauling Emissions w/in 1,000 ft (lbs/day) [3]	Emission Rate (lbs/hr)	Emission Rate (g/s)
All Subphases	2022	0.0023	4.66	153	3.05E-02	8.47E-04	1.06E-04	1.33E-05
	2023	0.0090	18.08	260	6.95E-02	1.93E-03	2.42E-04	3.05E-05
	2024	0.0087	17.40	262	6.64E-02	1.85E-03	2.31E-04	2.91E-05
	2025	0.0066	13.16	195	6.75E-02	1.88E-03	2.35E-04	2.96E-05
	2026	0.0065	13.02	239	5.45E-02	1.52E-03	1.89E-04	2.39E-05
	2027	0.0068	13.52	261	5.18E-02	1.44E-03	1.80E-04	2.27E-05
	2028	0.0016	3.18	65	4.89E-02	1.36E-03	1.70E-04	2.14E-05

Note: Emissions evenly distributed over 47 modeled volume sources.

	Offsite	
Hauling Length (miles)	20.0	miles
Haul Length within 1,000 ft of Site (mile) [3]	0.56	miles
Hours per work day (7:00 AM to 4:00 PM, 1-hour of breaks) [4]	8	hours

[1] DPM emissions taken as PM_{10} exhaust emissions from CalEEMod average daily emissions.

[2] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App C - Risk Calculations).

[3] Emissions from CalEEMod offsite average daily emissions, which is based on proportioned haul truck trip distances , are adjusted to evaluate emissions from the **0.56-**mile route within 1,000 of the project site.

[4] Work hours applied in By Hour/Day (HRDOW) variable emissions module in air dispersion model (see App C - Air Dispersion Model Output Files).

Average Daily Emissions and Emission Rates: Mitigated Scenario with Tier 4 Engines, Option 2

Onsite Construction PM10 Exhaust Emissions[1]

	Year	Annual PM10 Exhaust Emissions (Tons/Year)	Annual PM10 Exhaust Emissions (lbs/Year)	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/hr)	Emission Rate (g/s)	# of Workdays/ Year	Construction Duration[2]
All Subphases	2022	0.0112	22.36	153	0.15	1.83E-02	2.30E-03	260	0.59
	2023	0.0123	24.56	260	0.09	1.18E-02	1.49E-03	260	1.00
	2024	0.0087	17.44	262	0.07	8.32E-03	1.05E-03	262	1.00
	2025	0.0066	13.20	195	0.07	8.46E-03	1.07E-03	261	0.75
	2026	0.0078	15.54	239	0.07	8.13E-03	1.02E-03	261	0.92
	2027	0.0085	16.96	261	0.06	8.12E-03	1.02E-03	261	1.00
	2028	0.0023	4.66	65	0.07	8.96E-03	1.13E-03	260	0.25

Offsite Construction PM10 Exhaust Emissions[1]

	Year	Annual PM10 Exhaust Emissions (Tons/Year)	Annual PM10 Exhaust Emissions (lbs/Year)	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Hauling Emissions w/in 1,000 ft (lbs/day) [3]	Emission Rate (lbs/hr)	Emission Rate (g/s)
All Subphases	2022	0.0023	4.66	153	3.05E-02	8.47E-04	1.06E-04	1.33E-05
	2023	0.0090	18.08	260	6.95E-02	1.93E-03	2.42E-04	3.05E-05
	2024	0.0087	17.40	262	6.64E-02	1.85E-03	2.31E-04	2.91E-05
	2025	0.0066	13.16	195	6.75E-02	1.88E-03	2.35E-04	2.96E-05
	2026	0.0065	13.02	239	5.45E-02	1.52E-03	1.89E-04	2.39E-05
	2027	0.0068	13.52	261	5.18E-02	1.44E-03	1.80E-04	2.27E-05
	2028	0.0016	3.18	65	4.89E-02	1.36E-03	1.70E-04	2.14E-05

Note: Emissions evenly distributed over 47 modeled volume sources.

	Offsite	
Hauling Length (miles)	20.0	miles
Haul Length within 1,000 ft of Site (mile) [3]	0.56	miles
Hours per work day (7:00 AM to 4:00 PM, 1-hour of breaks) [4]	8	hours

[1] DPM emissions taken as PM_{10} exhaust emissions from CalEEMod average daily emissions.

[2] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App C - Risk Calculations).

[3] Emissions from CalEEMod offsite average daily emissions, which is based on proportioned haul truck trip distances , are adjusted to evaluate emissions from the **0.56-**mile route within 1,000 of the project site.

[4] Work hours applied in By Hour/Day (HRDOW) variable emissions module in air dispersion model (see App C - Air Dispersion Model Output Files).

Appendix B. Air Dispersion Model Output

Control Pathway

Dispersion Options

Titles

Construction HRA
BREA-03.3, Brea Mall Redevelopment

Dispersion Options

☑ Regulatory Default ☐ Non-Default Options

Dispersion Coefficient

Urban

Population:
Name (Optional):
Roughness Length:

Output Type

☑ Concentration
☐ Total Deposition (Dry & Wet)
☐ Dry Deposition
☐ Wet Deposition

Plume Depletion

☐ Dry Removal
☐ Wet Removal

Output Warnings

☐ No Output Warnings
☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

Averaging Time Options

Hours ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24

☐ Month ☑ Period ☐ Annual

Exponential Decay

Half-life of 4 hrs will be used

Terrain Height Options

☐ Flat ☑ Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

☐ Yes ☑ No

Default Height = 0.00 m

Control Pathway

Optional Files

Re-Start File	Init File	Multi-Year Analyses	Event Input File	Error Listing File
☐	☐	☐	☐	■

Detailed Error Listing File

Filename: brea.err

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: ..\met data\KFUL_v9.SFC

Format Type: Default AERMET format

Profile Met Data

Filename: ..\met data\KFUL_v9.PFL

Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 29.00 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2012			
Upper Air		2012			

Data Period

Data Period to Process

Start Date: 1/1/2012 Start Hour: 1 End Date: 12/31/2016 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Source Pathway - Source Inputs

Polygon Area Sources

Source Type: AREA POLY

Source: 1 (onsite)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
105.81	4.15	0.00001	1.93	27	417764.71	3753093.80
		0.00001			417850.32	3753092.36
		0.00001			417848.89	3753127.62
		0.00001			417920.12	3753126.90
		0.00001			417932.35	3753138.41
		0.00001			417966.16	3753106.03
		0.00001			417956.81	3753096.68
		0.00001			418007.17	3753047.76
		0.00001			418028.04	3753044.88
		0.00001			418038.83	3753054.95
		0.00001			418079.12	3753045.60
		0.00001			418079.84	3752917.53
		0.00001			418064.01	3752917.53
		0.00001			418064.73	3752903.86
		0.00001			418042.43	3752903.14
		0.00001			418030.20	3752893.78
		0.00001			418017.97	3752872.92
		0.00001			418006.45	3752862.13
		0.00001			417932.35	3752831.19
		0.00001			417910.04	3752826.87
		0.00001			417881.98	3752832.63
		0.00001			417813.63	3752864.29
		0.00001			417802.84	3752880.11
		0.00001			417799.96	3752983.00
		0.00001			417776.94	3752983.00
		0.00001			417777.66	3752991.64
		0.00001			417762.55	3752991.64

Source Pathway - Source Inputs

Line Volume Sources

Source Type: LINE VOLUME

Source: 2 (offsite)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
18.90	1.00000		417753.44	3753096.86	105.80	4.15
			417745.72	3752820.01	98.50	4.15
			417925.51	3752735.07	101.05	4.15
			418075.52	3752665.58	102.19	4.15
			418131.78	3752646.83	103.57	4.15
			418220.02	3752625.88	104.84	4.15
			418323.70	3752612.64	96.40	4.15

Source Pathway - Source Inputs

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
2	L0000001	417753.18	3753087.42	106.16	4.15	0.02128	18.90		8.79	1.93
	L0000002	417752.65	3753068.53	105.48	4.15	0.02128	18.90		8.79	1.93
	L0000003	417752.12	3753049.64	104.68	4.15	0.02128	18.90		8.79	1.93
	L0000004	417751.60	3753030.75	103.94	4.15	0.02128	18.90		8.79	1.93
	L0000005	417751.07	3753011.86	103.24	4.15	0.02128	18.90		8.79	1.93
	L0000006	417750.54	3752992.97	102.59	4.15	0.02128	18.90		8.79	1.93
	L0000007	417750.02	3752974.08	101.92	4.15	0.02128	18.90		8.79	1.93
	L0000008	417749.49	3752955.19	101.23	4.15	0.02128	18.90		8.79	1.93
	L0000009	417748.96	3752936.30	100.56	4.15	0.02128	18.90		8.79	1.93
	L0000010	417748.44	3752917.41	99.90	4.15	0.02128	18.90		8.79	1.93
	L0000011	417747.91	3752898.52	99.38	4.15	0.02128	18.90		8.79	1.93
	L0000012	417747.38	3752879.63	98.98	4.15	0.02128	18.90		8.79	1.93
	L0000013	417746.86	3752860.74	98.78	4.15	0.02128	18.90		8.79	1.93
	L0000014	417746.33	3752841.85	98.75	4.15	0.02128	18.90		8.79	1.93
	L0000015	417745.80	3752822.96	98.77	4.15	0.02128	18.90		8.79	1.93
	L0000016	417760.14	3752813.19	99.16	4.15	0.02128	18.90		8.79	1.93
	L0000017	417777.23	3752805.12	99.55	4.15	0.02128	18.90		8.79	1.93
	L0000018	417794.32	3752797.05	99.70	4.15	0.02128	18.90		8.79	1.93
	L0000019	417811.40	3752788.98	99.97	4.15	0.02128	18.90		8.79	1.93
	L0000020	417828.49	3752780.91	100.32	4.15	0.02128	18.90		8.79	1.93
	L0000021	417845.58	3752772.84	100.58	4.15	0.02128	18.90		8.79	1.93
	L0000022	417862.66	3752764.76	100.78	4.15	0.02128	18.90		8.79	1.93
	L0000023	417879.75	3752756.69	101.21	4.15	0.02128	18.90		8.79	1.93
	L0000024	417896.84	3752748.62	101.36	4.15	0.02128	18.90		8.79	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
2	L0000025	417913.92	3752740.55	101.17	4.15	0.02128	18.90		8.79	1.93
	L0000026	417931.03	3752732.52	101.08	4.15	0.02128	18.90		8.79	1.93
	L0000027	417948.18	3752724.58	101.26	4.15	0.02128	18.90		8.79	1.93
	L0000028	417965.32	3752716.63	101.49	4.15	0.02128	18.90		8.79	1.93
	L0000029	417982.47	3752708.69	101.52	4.15	0.02128	18.90		8.79	1.93
	L0000030	417999.62	3752700.75	101.52	4.15	0.02128	18.90		8.79	1.93
	L0000031	418016.77	3752692.80	101.72	4.15	0.02128	18.90		8.79	1.93
	L0000032	418033.91	3752684.86	101.85	4.15	0.02128	18.90		8.79	1.93
	L0000033	418051.06	3752676.92	101.95	4.15	0.02128	18.90		8.79	1.93
	L0000034	418068.21	3752668.97	102.09	4.15	0.02128	18.90		8.79	1.93
	L0000035	418085.80	3752662.16	102.53	4.15	0.02128	18.90		8.79	1.93
	L0000036	418103.73	3752656.18	102.88	4.15	0.02128	18.90		8.79	1.93
	L0000037	418121.66	3752650.21	103.24	4.15	0.02128	18.90		8.79	1.93
	L0000038	418139.79	3752644.93	103.69	4.15	0.02128	18.90		8.79	1.93
	L0000039	418158.17	3752640.56	104.24	4.15	0.02128	18.90		8.79	1.93
	L0000040	418176.56	3752636.20	104.75	4.15	0.02128	18.90		8.79	1.93
	L0000041	418194.94	3752631.83	104.92	4.15	0.02128	18.90		8.79	1.93
	L0000042	418213.33	3752627.46	104.95	4.15	0.02128	18.90		8.79	1.93
	L0000043	418231.95	3752624.35	104.97	4.15	0.02128	18.90		8.79	1.93
	L0000044	418250.69	3752621.96	104.90	4.15	0.02128	18.90		8.79	1.93
	L0000045	418269.44	3752619.57	103.31	4.15	0.02128	18.90		8.79	1.93
	L0000046	418288.18	3752617.17	100.43	4.15	0.02128	18.90		8.79	1.93
	L0000047	418306.93	3752614.78	97.51	4.15	0.02128	18.90		8.79	1.93

Source Pathway

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Source Groups

Source Group ID:	Onsite	List of Sources in Group (Source Range or Single Sources)
		1

Source Group ID:	Offsite	List of Sources in Group (Source Range or Single Sources)
		2

Variable Emissions

Hour-of-Day / Day-of-Week Emission Rate Variation

Scenario: work

Source ID:		**1**						
Weekdays								
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	0.00	1.00	1.00	1.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:		**2**						
Weekdays								
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	0.00	1.00	1.00	1.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Receptor Pathway

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	417557.71	3752959.10	UCART1	105.40	
2	417577.71	3752959.10	UCART1	104.97	
3	417592.49	3752963.28	UCART1	103.94	
4	417517.71	3752979.10	UCART1	106.02	
5	417537.71	3752979.10	UCART1	106.12	
6	417557.71	3752979.10	UCART1	106.02	
7	417577.71	3752979.10	UCART1	105.46	
8	417592.49	3752983.28	UCART1	104.15	
9	417517.71	3752999.10	UCART1	106.82	
10	417537.71	3752999.10	UCART1	106.31	
11	417557.71	3752999.10	UCART1	105.94	
12	417577.71	3752999.10	UCART1	105.15	
13	417592.49	3753003.28	UCART1	103.74	
14	417437.71	3753019.10	UCART1	107.78	
15	417457.71	3753019.10	UCART1	108.09	
16	417477.71	3753019.10	UCART1	108.26	
17	417497.71	3753019.10	UCART1	108.11	
18	417517.71	3753019.10	UCART1	107.38	
19	417537.71	3753019.10	UCART1	106.20	
20	417557.71	3753019.10	UCART1	105.52	
21	417577.71	3753019.10	UCART1	104.55	
22	417592.49	3753023.28	UCART1	103.20	
23	417397.71	3753039.10	UCART1	109.13	
24	417417.71	3753039.10	UCART1	108.97	
25	417437.71	3753039.10	UCART1	108.75	
26	417457.71	3753039.10	UCART1	108.75	
27	417477.71	3753039.10	UCART1	108.78	
28	417497.71	3753039.10	UCART1	108.45	
29	417517.71	3753039.10	UCART1	107.34	
30	417537.71	3753039.10	UCART1	105.60	

31	417557.71	3753039.10	UCART1	104.64
32	417577.71	3753039.10	UCART1	103.59
33	417592.49	3753043.28	UCART1	102.53
34	417337.71	3753059.10	UCART1	107.63
35	417357.71	3753059.10	UCART1	108.62
36	417377.71	3753059.10	UCART1	109.56
37	417397.71	3753059.10	UCART1	109.80
38	417417.71	3753059.10	UCART1	109.68
39	417437.71	3753059.10	UCART1	109.43
40	417457.71	3753059.10	UCART1	109.29
41	417477.71	3753059.10	UCART1	109.23
42	417497.71	3753059.10	UCART1	108.45
43	417517.71	3753059.10	UCART1	106.82
44	417537.71	3753059.10	UCART1	104.67
45	417557.71	3753059.10	UCART1	103.59
46	417577.71	3753059.10	UCART1	102.63
47	417592.49	3753063.28	UCART1	101.87
48	417337.71	3753079.10	UCART1	108.23
49	417357.71	3753079.10	UCART1	109.21
50	417377.71	3753079.10	UCART1	110.01
51	417397.71	3753079.10	UCART1	110.26
52	417417.71	3753079.10	UCART1	110.16
53	417437.71	3753079.10	UCART1	109.88
54	417457.71	3753079.10	UCART1	109.70
55	417477.71	3753079.10	UCART1	109.59
56	417497.71	3753079.10	UCART1	108.33
57	417517.71	3753079.10	UCART1	106.16
58	417537.71	3753079.10	UCART1	103.64
59	417557.71	3753079.10	UCART1	102.51
60	417577.71	3753079.10	UCART1	101.69
61	417592.49	3753083.28	UCART1	101.21
62	417337.71	3753099.10	UCART1	108.79
63	417357.71	3753099.10	UCART1	109.59
64	417377.71	3753099.10	UCART1	110.24
65	417397.71	3753099.10	UCART1	110.39
66	417417.71	3753099.10	UCART1	110.15
67	417437.71	3753099.10	UCART1	109.79
68	417457.71	3753099.10	UCART1	109.73

69	417477.71	3753099.10	UCART1	109.68
70	417497.71	3753099.10	UCART1	108.07
71	417517.71	3753099.10	UCART1	105.45
72	417537.71	3753099.10	UCART1	102.62
73	417557.71	3753099.10	UCART1	101.51
74	417577.71	3753099.10	UCART1	100.86
75	417592.49	3753103.28	UCART1	100.55
76	417337.71	3753119.10	UCART1	109.31
77	417357.71	3753119.10	UCART1	109.88
78	417377.71	3753119.10	UCART1	110.36
79	417397.71	3753119.10	UCART1	110.30
80	417417.71	3753119.10	UCART1	109.85
81	417437.71	3753119.10	UCART1	109.32
82	417457.71	3753119.10	UCART1	109.24
83	417477.71	3753119.10	UCART1	108.93
84	417497.71	3753119.10	UCART1	107.30
85	417517.71	3753119.10	UCART1	104.81
86	417537.71	3753119.10	UCART1	102.09
87	417557.71	3753119.10	UCART1	100.91
88	417577.71	3753119.10	UCART1	100.33
89	417592.49	3753123.28	UCART1	100.13
90	417337.71	3753139.10	UCART1	109.81
91	417357.71	3753139.10	UCART1	110.13
92	417377.71	3753139.10	UCART1	110.42
93	417397.71	3753139.10	UCART1	110.13
94	417417.71	3753139.10	UCART1	109.46
95	417437.71	3753139.10	UCART1	108.76
96	417457.71	3753139.10	UCART1	108.60
97	417477.71	3753139.10	UCART1	107.95
98	417497.71	3753139.10	UCART1	106.46
99	417517.71	3753139.10	UCART1	104.31
100	417537.71	3753139.10	UCART1	101.92
101	417557.71	3753139.10	UCART1	100.72
102	417577.71	3753139.10	UCART1	100.21
103	417592.49	3753143.28	UCART1	100.40
104	417337.71	3753159.10	UCART1	110.38
105	417357.71	3753159.10	UCART1	110.57
106	417377.71	3753159.10	UCART1	110.62

107	417397.71	3753159.10	UCART1	110.27
108	417417.71	3753159.10	UCART1	109.60
109	417437.71	3753159.10	UCART1	108.90
110	417457.71	3753159.10	UCART1	108.71
111	417477.71	3753159.10	UCART1	108.06
112	417497.71	3753159.10	UCART1	106.57
113	417517.71	3753159.10	UCART1	104.55
114	417337.71	3753179.10	UCART1	110.84
115	417357.71	3753179.10	UCART1	110.90
116	417377.71	3753179.10	UCART1	110.76
117	417397.71	3753179.10	UCART1	110.29
118	417417.71	3753179.10	UCART1	109.60
119	417437.71	3753179.10	UCART1	108.96
120	417457.71	3753179.10	UCART1	108.85
121	417477.71	3753179.10	UCART1	108.43
122	417497.71	3753179.10	UCART1	107.03
123	417517.71	3753179.10	UCART1	105.02
124	417337.71	3753199.10	UCART1	111.21
125	417357.71	3753199.10	UCART1	111.16
126	417377.71	3753199.10	UCART1	110.83
127	417397.71	3753199.10	UCART1	110.21
128	417417.71	3753199.10	UCART1	109.48
129	417437.71	3753199.10	UCART1	108.92
130	417457.71	3753199.10	UCART1	108.94
131	417477.71	3753199.10	UCART1	108.86
132	417497.71	3753199.10	UCART1	107.61
133	417517.71	3753199.10	UCART1	105.61
134	417337.71	3753219.10	UCART1	111.29
135	417357.71	3753219.10	UCART1	111.24
136	417377.71	3753219.10	UCART1	110.86
137	417397.71	3753219.10	UCART1	109.87
138	417417.71	3753219.10	UCART1	108.75
139	417437.71	3753219.10	UCART1	107.86
140	417457.71	3753219.10	UCART1	107.62
141	417477.71	3753219.10	UCART1	107.64
142	417497.71	3753219.10	UCART1	106.97
143	417517.71	3753219.10	UCART1	105.61
144	417337.71	3753239.10	UCART1	111.09

145	417357.71	3753239.10	UCART1	110.97
146	417377.71	3753239.10	UCART1	110.51
147	417397.71	3753239.10	UCART1	109.28
148	417417.71	3753239.10	UCART1	107.90
149	417437.71	3753239.10	UCART1	106.74
150	417457.71	3753239.10	UCART1	106.20
151	417477.71	3753239.10	UCART1	106.20
152	417497.71	3753239.10	UCART1	105.95
153	417517.71	3753239.10	UCART1	105.22
154	417337.71	3753259.10	UCART1	110.58
155	417357.71	3753259.10	UCART1	110.27
156	417377.71	3753259.10	UCART1	109.74
157	417397.71	3753259.10	UCART1	108.41
158	417417.71	3753259.10	UCART1	106.90
159	417437.71	3753259.10	UCART1	105.57
160	417457.71	3753259.10	UCART1	104.70
161	417477.71	3753259.10	UCART1	104.56
162	417497.71	3753259.10	UCART1	104.61
163	417517.71	3753259.10	UCART1	104.48
164	417337.71	3753279.10	UCART1	109.85
165	417357.71	3753279.10	UCART1	109.42
166	417377.71	3753279.10	UCART1	108.74
167	417397.71	3753279.10	UCART1	107.33
168	417417.71	3753279.10	UCART1	105.79
169	417437.71	3753279.10	UCART1	104.50
170	417457.71	3753279.10	UCART1	103.82
171	417477.71	3753279.10	UCART1	103.76
172	417497.71	3753279.10	UCART1	104.05
173	417517.71	3753279.10	UCART1	104.27
174	417337.71	3753299.10	UCART1	109.00
175	417357.71	3753299.10	UCART1	108.46
176	417377.71	3753299.10	UCART1	107.70
177	417397.71	3753299.10	UCART1	106.31
178	417417.71	3753299.10	UCART1	104.81
179	417437.71	3753299.10	UCART1	103.56
180	417457.71	3753299.10	UCART1	103.02
181	417477.71	3753299.10	UCART1	103.07
182	417497.71	3753299.10	UCART1	103.59

183	417517.71	3753299.10	UCART1	104.14
184	417337.71	3753319.10	UCART1	107.98
185	417357.71	3753319.10	UCART1	107.34
186	417377.71	3753319.10	UCART1	106.62
187	417397.71	3753319.10	UCART1	105.42
188	417417.71	3753319.10	UCART1	104.04
189	417437.71	3753319.10	UCART1	102.79
190	417457.71	3753319.10	UCART1	102.31
191	417477.71	3753319.10	UCART1	102.51
192	417497.71	3753319.10	UCART1	103.24
193	417517.71	3753319.10	UCART1	104.11
194	417537.71	3753319.10	UCART1	104.73
195	417557.71	3753319.10	UCART1	105.16
196	417577.71	3753319.10	UCART1	105.64
197	417597.71	3753319.10	UCART1	106.27
198	417617.71	3753319.10	UCART1	107.06
199	417337.71	3753339.10	UCART1	106.60
200	417357.71	3753339.10	UCART1	106.10
201	417377.71	3753339.10	UCART1	105.54
202	417397.71	3753339.10	UCART1	104.65
203	417417.71	3753339.10	UCART1	103.54
204	417437.71	3753339.10	UCART1	102.46
205	417457.71	3753339.10	UCART1	102.22
206	417477.71	3753339.10	UCART1	102.67
207	417497.71	3753339.10	UCART1	103.49
208	417517.71	3753339.10	UCART1	104.43
209	417537.71	3753339.10	UCART1	105.26
210	417557.71	3753339.10	UCART1	105.95
211	417577.71	3753339.10	UCART1	106.52
212	417597.71	3753339.10	UCART1	107.02
213	417617.71	3753339.10	UCART1	107.48
214	417337.71	3753359.10	UCART1	105.27
215	417357.71	3753359.10	UCART1	104.96
216	417377.71	3753359.10	UCART1	104.54
217	417397.71	3753359.10	UCART1	103.89
218	417417.71	3753359.10	UCART1	103.05
219	417437.71	3753359.10	UCART1	102.24
220	417457.71	3753359.10	UCART1	102.28

221	417477.71	3753359.10	UCART1	102.98
222	417497.71	3753359.10	UCART1	103.89
223	417517.71	3753359.10	UCART1	104.86
224	417537.71	3753359.10	UCART1	105.76
225	417557.71	3753359.10	UCART1	106.54
226	417577.71	3753359.10	UCART1	107.11
227	417597.71	3753359.10	UCART1	107.50
228	417617.71	3753359.10	UCART1	107.73
229	417337.71	3753379.10	UCART1	104.24
230	417357.71	3753379.10	UCART1	104.13
231	417377.71	3753379.10	UCART1	103.71
232	417397.71	3753379.10	UCART1	103.09
233	417417.71	3753379.10	UCART1	102.48
234	417437.71	3753379.10	UCART1	102.12
235	417457.71	3753379.10	UCART1	102.48
236	417477.71	3753379.10	UCART1	103.40
237	417497.71	3753379.10	UCART1	104.47
238	417517.71	3753379.10	UCART1	105.46
239	417537.71	3753379.10	UCART1	106.18
240	417557.71	3753379.10	UCART1	106.79
241	417577.71	3753379.10	UCART1	107.26
242	417597.71	3753379.10	UCART1	107.58
243	417617.71	3753379.10	UCART1	107.75
244	417347.11	3752405.97	UCART1	101.92
245	417367.11	3752405.97	UCART1	102.00
246	417387.11	3752405.97	UCART1	101.97
247	417407.11	3752405.97	UCART1	101.95
248	417427.11	3752405.97	UCART1	102.08
249	417447.11	3752405.97	UCART1	102.37
250	417467.11	3752405.97	UCART1	102.51
251	417487.11	3752405.97	UCART1	102.55
252	417507.11	3752405.97	UCART1	102.50
253	417527.11	3752405.97	UCART1	102.31
254	417547.11	3752405.97	UCART1	102.47
255	417567.11	3752405.97	UCART1	102.68
256	417587.11	3752405.97	UCART1	102.90
257	417607.11	3752405.97	UCART1	103.12
258	417627.11	3752405.97	UCART1	103.17

259	417647.11	3752405.97	UCART1	103.14
260	417667.11	3752405.97	UCART1	102.91
261	417687.11	3752405.97	UCART1	102.46
262	417707.11	3752405.97	UCART1	101.81
263	417347.11	3752425.97	UCART1	102.03
264	417367.11	3752425.97	UCART1	102.10
265	417387.11	3752425.97	UCART1	102.21
266	417407.11	3752425.97	UCART1	102.40
267	417427.11	3752425.97	UCART1	102.68
268	417447.11	3752425.97	UCART1	102.89
269	417467.11	3752425.97	UCART1	102.93
270	417487.11	3752425.97	UCART1	102.91
271	417507.11	3752425.97	UCART1	102.86
272	417527.11	3752425.97	UCART1	102.65
273	417547.11	3752425.97	UCART1	102.64
274	417567.11	3752425.97	UCART1	102.73
275	417587.11	3752425.97	UCART1	102.89
276	417607.11	3752425.97	UCART1	103.12
277	417627.11	3752425.97	UCART1	103.27
278	417647.11	3752425.97	UCART1	103.28
279	417667.11	3752425.97	UCART1	103.10
280	417687.11	3752425.97	UCART1	102.71
281	417707.11	3752425.97	UCART1	101.98
282	417347.11	3752445.97	UCART1	102.42
283	417367.11	3752445.97	UCART1	102.51
284	417387.11	3752445.97	UCART1	102.68
285	417407.11	3752445.97	UCART1	102.87
286	417427.11	3752445.97	UCART1	103.10
287	417447.11	3752445.97	UCART1	103.22
288	417467.11	3752445.97	UCART1	103.22
289	417487.11	3752445.97	UCART1	103.18
290	417507.11	3752445.97	UCART1	103.13
291	417527.11	3752445.97	UCART1	103.02
292	417547.11	3752445.97	UCART1	103.03
293	417567.11	3752445.97	UCART1	102.98
294	417587.11	3752445.97	UCART1	102.92
295	417607.11	3752445.97	UCART1	102.93
296	417627.11	3752445.97	UCART1	103.06

297	417647.11	3752445.97	UCART1	102.90
298	417667.11	3752445.97	UCART1	102.56
299	417687.11	3752445.97	UCART1	102.09
300	417707.11	3752445.97	UCART1	101.49
301	417347.11	3752465.97	UCART1	102.89
302	417367.11	3752465.97	UCART1	102.95
303	417387.11	3752465.97	UCART1	103.13
304	417407.11	3752465.97	UCART1	103.30
305	417427.11	3752465.97	UCART1	103.45
306	417447.11	3752465.97	UCART1	103.50
307	417467.11	3752465.97	UCART1	103.49
308	417487.11	3752465.97	UCART1	103.45
309	417507.11	3752465.97	UCART1	103.41
310	417527.11	3752465.97	UCART1	103.36
311	417547.11	3752465.97	UCART1	103.36
312	417567.11	3752465.97	UCART1	103.20
313	417587.11	3752465.97	UCART1	102.92
314	417607.11	3752465.97	UCART1	102.63
315	417627.11	3752465.97	UCART1	102.67
316	417647.11	3752465.97	UCART1	102.42
317	417667.11	3752465.97	UCART1	102.03
318	417687.11	3752465.97	UCART1	101.60
319	417707.11	3752465.97	UCART1	101.17
320	417347.11	3752485.97	UCART1	103.43
321	417367.11	3752485.97	UCART1	103.36
322	417387.11	3752485.97	UCART1	103.47
323	417407.11	3752485.97	UCART1	103.63
324	417427.11	3752485.97	UCART1	103.69
325	417447.11	3752485.97	UCART1	103.77
326	417467.11	3752485.97	UCART1	103.78
327	417487.11	3752485.97	UCART1	103.76
328	417507.11	3752485.97	UCART1	103.74
329	417527.11	3752485.97	UCART1	103.66
330	417547.11	3752485.97	UCART1	103.59
331	417567.11	3752485.97	UCART1	103.35
332	417587.11	3752485.97	UCART1	102.89
333	417607.11	3752485.97	UCART1	102.21
334	417627.11	3752485.97	UCART1	102.07

335	417647.11	3752485.97	UCART1	101.80
336	417667.11	3752485.97	UCART1	101.52
337	417687.11	3752485.97	UCART1	101.27
338	417707.11	3752485.97	UCART1	101.03
339	417347.11	3752505.97	UCART1	103.94
340	417367.11	3752505.97	UCART1	103.75
341	417387.11	3752505.97	UCART1	103.77
342	417407.11	3752505.97	UCART1	103.89
343	417427.11	3752505.97	UCART1	103.98
344	417447.11	3752505.97	UCART1	104.09
345	417467.11	3752505.97	UCART1	104.09
346	417487.11	3752505.97	UCART1	104.05
347	417507.11	3752505.97	UCART1	104.03
348	417527.11	3752505.97	UCART1	103.97
349	417547.11	3752505.97	UCART1	103.86
350	417567.11	3752505.97	UCART1	103.51
351	417587.11	3752505.97	UCART1	102.90
352	417607.11	3752505.97	UCART1	102.09
353	417627.11	3752505.97	UCART1	101.76
354	417647.11	3752505.97	UCART1	101.63
355	417667.11	3752505.97	UCART1	101.48
356	417687.11	3752505.97	UCART1	101.08
357	417707.11	3752505.97	UCART1	100.09
358	417347.11	3752525.97	UCART1	104.42
359	417367.11	3752525.97	UCART1	104.15
360	417387.11	3752525.97	UCART1	104.07
361	417407.11	3752525.97	UCART1	104.15
362	417427.11	3752525.97	UCART1	104.28
363	417447.11	3752525.97	UCART1	104.41
364	417467.11	3752525.97	UCART1	104.40
365	417487.11	3752525.97	UCART1	104.34
366	417507.11	3752525.97	UCART1	104.29
367	417527.11	3752525.97	UCART1	104.28
368	417547.11	3752525.97	UCART1	104.13
369	417567.11	3752525.97	UCART1	103.65
370	417587.11	3752525.97	UCART1	102.90
371	417607.11	3752525.97	UCART1	102.05
372	417627.11	3752525.97	UCART1	101.56

373	417647.11	3752525.97	UCART1	101.50
374	417667.11	3752525.97	UCART1	101.24
375	417687.11	3752525.97	UCART1	100.32
376	417707.11	3752525.97	UCART1	98.51
377	417347.11	3752545.97	UCART1	104.86
378	417367.11	3752545.97	UCART1	104.58
379	417387.11	3752545.97	UCART1	104.45
380	417407.11	3752545.97	UCART1	104.46
381	417427.11	3752545.97	UCART1	104.58
382	417447.11	3752545.97	UCART1	104.65
383	417467.11	3752545.97	UCART1	104.66
384	417487.11	3752545.97	UCART1	104.62
385	417507.11	3752545.97	UCART1	104.56
386	417527.11	3752545.97	UCART1	104.61
387	417547.11	3752545.97	UCART1	104.38
388	417567.11	3752545.97	UCART1	103.75
389	417587.11	3752545.97	UCART1	102.88
390	417607.11	3752545.97	UCART1	102.07
391	417627.11	3752545.97	UCART1	101.50
392	417647.11	3752545.97	UCART1	101.36
393	417667.11	3752545.97	UCART1	100.56
394	417687.11	3752545.97	UCART1	98.56
395	417707.11	3752545.97	UCART1	96.00
396	417347.11	3752565.97	UCART1	105.24
397	417367.11	3752565.97	UCART1	105.00
398	417387.11	3752565.97	UCART1	104.86
399	417407.11	3752565.97	UCART1	104.83
400	417427.11	3752565.97	UCART1	104.91
401	417447.11	3752565.97	UCART1	104.95
402	417467.11	3752565.97	UCART1	104.98
403	417487.11	3752565.97	UCART1	104.94
404	417507.11	3752565.97	UCART1	104.82
405	417527.11	3752565.97	UCART1	104.75
406	417547.11	3752565.97	UCART1	104.35
407	417567.11	3752565.97	UCART1	103.60
408	417587.11	3752565.97	UCART1	102.75
409	417607.11	3752565.97	UCART1	102.20
410	417627.11	3752565.97	UCART1	101.76

411	417647.11	3752565.97	UCART1	101.52
412	417667.11	3752565.97	UCART1	100.78
413	417687.11	3752565.97	UCART1	99.08
414	417707.11	3752565.97	UCART1	96.34
415	417347.11	3752585.97	UCART1	105.58
416	417367.11	3752585.97	UCART1	105.40
417	417387.11	3752585.97	UCART1	105.28
418	417407.11	3752585.97	UCART1	105.23
419	417427.11	3752585.97	UCART1	105.23
420	417447.11	3752585.97	UCART1	105.27
421	417467.11	3752585.97	UCART1	105.29
422	417487.11	3752585.97	UCART1	105.23
423	417507.11	3752585.97	UCART1	105.08
424	417527.11	3752585.97	UCART1	104.85
425	417547.11	3752585.97	UCART1	104.30
426	417567.11	3752585.97	UCART1	103.52
427	417587.11	3752585.97	UCART1	102.79
428	417607.11	3752585.97	UCART1	102.53
429	417627.11	3752585.97	UCART1	102.28
430	417647.11	3752585.97	UCART1	101.96
431	417667.11	3752585.97	UCART1	101.35
432	417687.11	3752585.97	UCART1	100.13
433	417707.11	3752585.97	UCART1	97.42
434	417347.11	3752605.97	UCART1	105.86
435	417367.11	3752605.97	UCART1	105.73
436	417387.11	3752605.97	UCART1	105.65
437	417407.11	3752605.97	UCART1	105.58
438	417427.11	3752605.97	UCART1	105.48
439	417447.11	3752605.97	UCART1	105.52
440	417467.11	3752605.97	UCART1	105.51
441	417487.11	3752605.97	UCART1	105.44
442	417507.11	3752605.97	UCART1	105.27
443	417527.11	3752605.97	UCART1	104.95
444	417547.11	3752605.97	UCART1	104.42
445	417567.11	3752605.97	UCART1	103.85
446	417587.11	3752605.97	UCART1	103.42
447	417607.11	3752605.97	UCART1	103.34
448	417627.11	3752605.97	UCART1	103.26

449	417647.11	3752605.97	UCART1	102.93
450	417667.11	3752605.97	UCART1	102.35
451	417687.11	3752605.97	UCART1	101.38
452	417707.11	3752605.97	UCART1	98.97
453	417347.11	3752625.97	UCART1	106.16
454	417367.11	3752625.97	UCART1	106.06
455	417387.11	3752625.97	UCART1	105.97
456	417407.11	3752625.97	UCART1	105.85
457	417427.11	3752625.97	UCART1	105.62
458	417447.11	3752625.97	UCART1	105.59
459	417467.11	3752625.97	UCART1	105.59
460	417487.11	3752625.97	UCART1	105.57
461	417507.11	3752625.97	UCART1	105.47
462	417527.11	3752625.97	UCART1	105.20
463	417547.11	3752625.97	UCART1	104.79
464	417567.11	3752625.97	UCART1	104.43
465	417587.11	3752625.97	UCART1	104.18
466	417607.11	3752625.97	UCART1	104.13
467	417627.11	3752625.97	UCART1	104.02
468	417647.11	3752625.97	UCART1	103.61
469	417667.11	3752625.97	UCART1	102.89
470	417687.11	3752625.97	UCART1	101.81
471	417707.11	3752625.97	UCART1	99.90
472	417347.11	3752645.97	UCART1	106.49
473	417367.11	3752645.97	UCART1	106.38
474	417387.11	3752645.97	UCART1	106.25
475	417407.11	3752645.97	UCART1	106.06
476	417427.11	3752645.97	UCART1	105.67
477	417447.11	3752645.97	UCART1	105.49
478	417467.11	3752645.97	UCART1	105.51
479	417487.11	3752645.97	UCART1	105.61
480	417507.11	3752645.97	UCART1	105.66
481	417527.11	3752645.97	UCART1	105.50
482	417547.11	3752645.97	UCART1	105.24
483	417567.11	3752645.97	UCART1	105.02
484	417587.11	3752645.97	UCART1	104.87
485	417607.11	3752645.97	UCART1	104.73
486	417627.11	3752645.97	UCART1	104.50

487	417647.11	3752645.97	UCART1	103.94
488	417667.11	3752645.97	UCART1	102.99
489	417687.11	3752645.97	UCART1	101.66
490	417707.11	3752645.97	UCART1	100.16
491	417347.11	3752665.97	UCART1	106.75
492	417367.11	3752665.97	UCART1	106.69
493	417387.11	3752665.97	UCART1	106.51
494	417407.11	3752665.97	UCART1	106.13
495	417427.11	3752665.97	UCART1	105.48
496	417447.11	3752665.97	UCART1	104.84
497	417467.11	3752665.97	UCART1	104.86
498	417487.11	3752665.97	UCART1	105.28
499	417507.11	3752665.97	UCART1	105.73
500	417527.11	3752665.97	UCART1	105.75
501	417547.11	3752665.97	UCART1	105.49
502	417567.11	3752665.97	UCART1	105.21
503	417587.11	3752665.97	UCART1	104.94
504	417607.11	3752665.97	UCART1	104.48
505	417627.11	3752665.97	UCART1	104.08
506	417647.11	3752665.97	UCART1	103.23
507	417667.11	3752665.97	UCART1	101.95
508	417687.11	3752665.97	UCART1	100.36
509	417707.11	3752665.97	UCART1	98.86
510	417347.11	3752685.97	UCART1	106.78
511	417367.11	3752685.97	UCART1	106.80
512	417387.11	3752685.97	UCART1	106.56
513	417407.11	3752685.97	UCART1	105.96
514	417427.11	3752685.97	UCART1	104.98
515	417447.11	3752685.97	UCART1	104.07
516	417467.11	3752685.97	UCART1	104.13
517	417487.11	3752685.97	UCART1	104.75
518	417507.11	3752685.97	UCART1	105.38
519	417527.11	3752685.97	UCART1	105.37
520	417547.11	3752685.97	UCART1	105.13
521	417567.11	3752685.97	UCART1	104.83
522	417587.11	3752685.97	UCART1	104.46
523	417607.11	3752685.97	UCART1	103.83
524	417627.11	3752685.97	UCART1	103.31

525	417647.11	3752685.97	UCART1	102.33
526	417667.11	3752685.97	UCART1	101.04
527	417347.11	3752705.97	UCART1	106.59
528	417367.11	3752705.97	UCART1	106.73
529	417387.11	3752705.97	UCART1	106.45
530	417407.11	3752705.97	UCART1	105.58
531	417427.11	3752705.97	UCART1	104.23
532	417447.11	3752705.97	UCART1	103.22
533	417467.11	3752705.97	UCART1	103.33
534	417487.11	3752705.97	UCART1	104.05
535	417507.11	3752705.97	UCART1	104.69
536	417527.11	3752705.97	UCART1	104.53
537	417547.11	3752705.97	UCART1	104.34
538	417567.11	3752705.97	UCART1	104.05
539	417587.11	3752705.97	UCART1	103.62
540	417607.11	3752705.97	UCART1	102.95
541	417627.11	3752705.97	UCART1	102.36
542	417347.11	3752725.97	UCART1	105.55
543	417367.11	3752725.97	UCART1	105.55
544	417387.11	3752725.97	UCART1	105.15
545	417407.11	3752725.97	UCART1	104.23
546	417427.11	3752725.97	UCART1	103.13
547	417447.11	3752725.97	UCART1	102.53
548	417467.11	3752725.97	UCART1	102.52
549	417487.11	3752725.97	UCART1	102.80
550	417507.11	3752725.97	UCART1	103.02
551	417527.11	3752725.97	UCART1	102.98
552	417547.11	3752725.97	UCART1	102.99
553	417567.11	3752725.97	UCART1	102.81
554	417587.11	3752725.97	UCART1	102.40
555	417347.11	3752745.97	UCART1	104.58
556	417367.11	3752745.97	UCART1	104.37
557	417387.11	3752745.97	UCART1	103.93
558	417407.11	3752745.97	UCART1	103.17
559	417427.11	3752745.97	UCART1	102.42
560	417447.11	3752745.97	UCART1	102.13
561	417467.11	3752745.97	UCART1	102.08
562	417487.11	3752745.97	UCART1	102.12

563	417507.11	3752745.97	UCART1	102.07	
564	417527.11	3752745.97	UCART1	102.00	
565	417547.11	3752745.97	UCART1	102.02	
566	417567.11	3752745.97	UCART1	101.87	
567	417587.11	3752745.97	UCART1	101.53	
568	417347.11	3752765.97	UCART1	103.71	
569	417367.11	3752765.97	UCART1	103.22	
570	417387.11	3752765.97	UCART1	102.81	
571	417407.11	3752765.97	UCART1	102.43	
572	417427.11	3752765.97	UCART1	102.13	
573	417447.11	3752765.97	UCART1	102.04	
574	417467.11	3752765.97	UCART1	102.02	
575	417487.11	3752765.97	UCART1	101.98	
576	417507.11	3752765.97	UCART1	101.78	
577	417527.11	3752765.97	UCART1	101.55	
578	417547.11	3752765.97	UCART1	101.38	
579	417567.11	3752765.97	UCART1	101.19	
580	417587.11	3752765.97	UCART1	100.95	
581	417347.11	3752785.97	UCART1	103.42	
582	417367.11	3752785.97	UCART1	102.99	
583	417387.11	3752785.97	UCART1	102.79	
584	417407.11	3752785.97	UCART1	102.74	
585	417427.11	3752785.97	UCART1	102.70	
586	417347.11	3752805.97	UCART1	103.54	
587	417367.11	3752805.97	UCART1	103.25	
588	417387.11	3752805.97	UCART1	103.23	
589	417347.11	3752825.97	UCART1	104.26	

Plant Boundary Receptors

Receptor Groups

Record Number	Group ID	Group Description
1	UCART1	Receptors generated from Uniform Cartesian Grid

Results Summary

Construction HRA
BREA-03.3, Brea Mall Redevelopment

Concentration - Source Group: OFFSITE

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.74894	ug/m^3	417592.49	3752963.28	103.94	0.00	103.94	

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.69937	ug/m^3	417592.49	3753003.28	103.74	0.00	103.74	

Appendix C. Construction Risk Calculations

Table C1
Residential MER Concentrations for Risk Calculations
Option 1

Contaminant		Source	Model Output [1] ($\mu g/m^3$)	Emission Rates [2] (g/s)	MER Conc. ($\mu g/m^3$)	Total MER Conc. Annual Average ($\mu g/m^3$)
(a)		(b)	(c)	(d)	(e)	(f)
Unmitigated						
DPM	2022	On-Site Emissions	0.70	3.00E-02	2.10E-02	2.10E-02
		Truck Route	0.75	1.33E-05	1.00E-05	
	2023	On-Site Emissions	0.70	1.15E-02	8.02E-03	8.03E-03
		Truck Route	0.75	1.70E-05	1.27E-05	
	2024	On-Site Emissions	0.70	4.41E-03	3.09E-03	3.10E-03
		Truck Route	0.75	1.61E-05	1.20E-05	
	2025	On-Site Emissions	0.70	4.28E-03	2.99E-03	3.01E-03
		Truck Route	0.75	1.60E-05	1.20E-05	
						Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations
Mitigated Run: Tier 4 Final Engines for eq. > 50 HP						
DPM	2022	On-Site Emissions	0.70	2.30E-03	1.61E-03	1.62E-03
		Truck Route	0.75	1.33E-05	1.00E-05	
	2023	On-Site Emissions	0.70	1.49E-03	1.04E-03	1.05E-03
		Truck Route	0.75	1.70E-05	1.27E-05	
	2024	On-Site Emissions	0.70	1.05E-03	7.33E-04	7.45E-04
		Truck Route	0.75	1.61E-05	1.20E-05	
	2025	On-Site Emissions	0.70	1.07E-03	7.46E-04	7.58E-04
		Truck Route	0.75	1.60E-05	1.20E-05	
						Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations

Maximum Exposed Receptor (MER) UTM coordinates: 417592.49E, 3753003.28N

[1] Model Output at the MER based on unit emission rates for sources (1 g/s).

[2] Emission Rates from Emission Rate Calculations (Appendix A - Construction Emissions).

Table C2
Quantification of Health Risks for Off-site Residents
Option 1

Source		MER	Weight	Contaminant	URF	CPF	Dose (by age bin)			Carcinogenic Risks			**Total Cancer Risk**	**Chronic Hazards [3]**	
		Conc.	Fraction				3rd Trimester	0 < 2 years	2 < 9	3rd Trimester	0 < 2 years	2 < 9		Chronic REL	RESP
		($\mu g/m^3$)			$(\mu g/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)	(mg/kg-day)	(mg/kg-day)	per million	per million	per million	per million	($\mu g/m^3$)	
(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(k)	(l)	(m)	(o)	(p)	(q)
Unmitigated															
2022	On & Off-Site Emissions	2.10E-02	1.00E+00	DPM	3.0E-04	1.1E+00	7.27E-06	2.19E-05		2.32E-01	9.47E-01		1.18	5.0E+00	4.20E-03
2023		8.03E-03	1.00E+00		3.0E-04	1.1E+00		8.39E-06			1.07E+00		1.07	5.0E+00	1.61E-03
2024		3.10E-03	1.00E+00		3.0E-04	1.1E+00		3.24E-06	2.56E-06		2.73E-01	2.81E-02	0.30	5.0E+00	6.20E-04
2025		3.01E-03	1.00E+00		3.0E-04	1.1E+00			2.48E-06			6.01E-02	0.06	5.0E+00	6.01E-04
												Total	**2.6**		**0.007**
Mitigated Run: Tier 4 Final Engines for eq. > 50 HP															
2022	On & Off-Site Emissions	1.62E-03	1.00E+00	DPM	3.0E-04	1.1E+00	5.61E-07	1.69E-06		1.79E-02	7.31E-02		0.1	5.0E+00	3.24E-04
2023		1.05E-03	1.00E+00		3.0E-04	1.1E+00		1.10E-06			1.40E-01		0.1	5.0E+00	2.11E-04
2024		7.45E-04	1.00E+00		3.0E-04	1.1E+00		7.79E-07	6.15E-07		6.57E-02	6.75E-03	0.1	5.0E+00	1.49E-04
2025		7.58E-04	1.00E+00		3.0E-04	1.1E+00			6.26E-07			1.51E-02	0.0	5.0E+00	1.52E-04
												Total	**0.3**		**0.001**

Maximum Exposed Receptor (MER) UTM coordinates: 417592.49E, 3753003.28N

		3rd Trimester	0 < 2 years	2 < 9 years
OEHHA age bin		3rd Trimester	0 < 2 years	2 < 9 years
exposure year(s)		2022	2022-2024	2024-2025
Dose Exposure Factors:	xposure frequency (days/year)	350	350	350
	inhalation rate (L/kg-day) [1]	361	1090	861
	inhalation absorption factor	1	1	1
	conversion factor (mg/µg; m^3/L)	1.0E-06	1.0E-06	1.0E-06
Risk Calculation Factors:	age sensitivity factor	10	10	3
	averaging time (years)	70	70	70
	per million	1.0E+06	1.0E+06	1.0E+06
	fraction of time at home	0.85	0.85	0.72

exposure durations per age bin			exposure durations (year)		
	Construction Year	Duration [2]	3rd Trimester	0 < 2 years	2 < 9 years
	2022	0.59	0.25	0.34	
	2023	1.00		1.00	
	2024	1.00		0.66	0.34
	2025	0.75			0.75
	Total	3.34	0.25	2.00	1.09

[1] Inhalation rate taken as the 95th percentile breathing rates (OEHHA, 2015).

[2] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction Emissions).

[3] Chronic Hazards for DPM using the chronic reference exposure level (REL) for the Respiratory Toxicological Endpoint.

Table C3
Residential MER Concentrations for Risk Calculations
Option 2

Contaminant	Source		Model Output [1] ($\mu g/m^3$)	Emission Rates [2] (g/s)	MER Conc. ($\mu g/m^3$)	Total MER Conc. Annual Average ($\mu g/m^3$)
(a)	(b)		(c)	(d)	(e)	(f)
Unmitigated						
DPM	2022	On-Site Emissions	0.70	3.00E-02	2.10E-02	2.10E-02
		Truck Route	0.75	1.33E-05	1.00E-05	
	2023	On-Site Emissions	0.70	1.15E-02	8.02E-03	8.04E-03
		Truck Route	0.75	3.05E-05	2.28E-05	
	2024	On-Site Emissions	0.70	4.41E-03	3.09E-03	3.11E-03
		Truck Route	0.75	2.91E-05	2.18E-05	
	2025	On-Site Emissions	0.70	4.28E-03	2.99E-03	3.02E-03
		Truck Route	0.75	2.96E-05	2.22E-05	
	2026	On-Site Emissions	0.70	3.73E-03	2.61E-03	2.63E-03
		Truck Route	0.75	2.39E-05	1.79E-05	
	2027	On-Site Emissions	0.70	3.73E-03	2.61E-03	2.63E-03
		Truck Route	0.75	2.27E-05	1.70E-05	
	2028	On-Site Emissions	0.70	5.10E-03	3.57E-03	3.58E-03
		Truck Route	0.75	2.14E-05	1.61E-05	
					Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations	
Mitigated Run: Tier 4 Final Engines for eq. > 50 HP						
DPM	2022	On-Site Emissions	0.70	2.30E-03	1.61E-03	1.62E-03
		Truck Route	0.75	1.33E-05	1.00E-05	
	2023	On-Site Emissions	0.70	1.49E-03	1.04E-03	1.06E-03
		Truck Route	0.75	3.05E-05	2.28E-05	
	2024	On-Site Emissions	0.70	1.05E-03	7.33E-04	7.55E-04
		Truck Route	0.75	2.91E-05	2.18E-05	
	2025	On-Site Emissions	0.70	1.07E-03	7.46E-04	7.68E-04
		Truck Route	0.75	2.96E-05	2.22E-05	
	2026	On-Site Emissions	0.70	1.02E-03	7.16E-04	7.34E-04
		Truck Route	0.75	2.39E-05	1.79E-05	
	2027	On-Site Emissions	0.70	1.02E-03	7.16E-04	7.33E-04
		Truck Route	0.75	2.27E-05	1.70E-05	
	2028	On-Site Emissions	0.70	1.13E-03	7.90E-04	8.06E-04
		Truck Route	0.75	2.14E-05	1.61E-05	
					Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations	

Maximum Exposed Receptor (MER) UTM coordinates: 417592.49E, 3753003.28N

[1] Model Output at the MER based on unit emission rates for sources (1 g/s).

[2] Emission Rates from Emission Rate Calculations (Appendix A - Construction Emissions).

Table C4
Quantification of Health Risks for Off-site Residents
Option 2

Source		MER	Weight	Contaminant	URF	CPF	Dose (by age bin)			Carcinogenic Risks			**Total Cancer Risk**	**Chronic Hazards [3]**	
		Conc.	Fraction				3rd Trimester	0 < 2 years	2 < 9	3rd Trimester	0 < 2 years	2 < 9		Chronic REL	RESP
		($\mu g/m^3$)			($\mu g/m^3$)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)	(mg/kg-day)	(mg/kg-day)	per million	per million	per million	per million	($\mu g/m^3$)	
(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(k)	(l)	(m)	(o)	(p)	(q)
Unmitigated															
2022	On & Off-Site Emissions	2.10E-02	1.00E+00	DPM	3.0E-04	1.1E+00	7.27E-06	2.19E-05		2.32E-01	9.47E-01		1.18	5.0E+00	4.20E-03
2023		8.04E-03	1.00E+00		3.0E-04	1.1E+00		8.41E-06			1.07E+00		1.07	5.0E+00	1.61E-03
2024		3.11E-03	1.00E+00		3.0E-04	1.1E+00		3.25E-06	2.57E-06		2.74E-01	2.82E-02	0.30	5.0E+00	6.22E-04
2025		3.02E-03	1.00E+00		3.0E-04	1.1E+00			2.49E-06			6.03E-02	0.06	5.0E+00	6.03E-04
2026		2.63E-03	1.00E+00		3.0E-04	1.1E+00			2.17E-06			6.43E-02	0.06	5.0E+00	5.25E-04
2027		2.63E-03	1.00E+00		3.0E-04	1.1E+00			2.17E-06			7.02E-02	0.07	5.0E+00	5.25E-04
2028		3.58E-03	1.00E+00		3.0E-04	1.1E+00			2.96E-06			2.40E-02	0.02	5.0E+00	7.16E-04
												Total	**2.8**		**0.009**
Mitigated Run: Tier 4 Final Engines for eq. > 50 HP															
2022	On & Off-Site Emissions	1.62E-03	1.00E+00	DPM	3.0E-04	1.1E+00	5.61E-07	1.69E-06		1.79E-02	7.31E-02		0.09	5.0E+00	3.24E-04
2023		1.06E-03	1.00E+00		3.0E-04	1.1E+00		1.11E-06			1.42E-01		0.14	5.0E+00	2.13E-04
2024		7.55E-04	1.00E+00		3.0E-04	1.1E+00		7.89E-07	6.23E-07		6.66E-02	6.84E-03	0.07	5.0E+00	1.51E-04
2025		7.68E-04	1.00E+00		3.0E-04	1.1E+00			6.34E-07			1.53E-02	0.02	5.0E+00	1.54E-04
2026		7.34E-04	1.00E+00		3.0E-04	1.1E+00			6.06E-07			1.80E-02	0.02	5.0E+00	1.47E-04
2027		7.33E-04	1.00E+00		3.0E-04	1.1E+00			6.05E-07			1.96E-02	0.02	5.0E+00	1.47E-04
2028		8.06E-04	1.00E+00		3.0E-04	1.1E+00			6.65E-07			5.39E-03	0.01	5.0E+00	1.61E-04
												Total	**0.4**		**0.001**

Maximum Exposed Receptor (MER) UTM coordinates: 417592.49E, 3753003.28N

		3rd Trimester	0 < 2 years	2 < 9 years
OEHHA age bin				
exposure year(s)		2022	2022-2024	2024-2025
Dose Exposure Factors:	xposure frequency (days/year)	350	350	350
	inhalation rate (L/kg-day) [1]	361	1090	861
	inhalation absorption factor	1	1	1
	conversion factor (mg/µg; m^3/L)	1.0E-06	1.0E-06	1.0E-06
Risk Calculation Factors:	age sensitivity factor	10	10	3
	averaging time (years)	70	70	70
	per million	1.0E+06	1.0E+06	1.0E+06
	fraction of time at home	0.85	0.85	0.72

exposure durations per age bin		exposure durations (year)		
Construction Year	Duration [2]	3rd Trimester	0 < 2 years	2 < 9 years
2022	0.59	0.25	0.34	
2023	1.00		1.00	
2024	1.00		0.66	0.34
2025	0.75			0.75
2026	0.92			0.92
2027	1.00			1.00
2028	0.25			0.25
Total	5.50	0.25	2.00	3.25

[1] Inhalation rate taken as the 95th percentile breathing rates (OEHHA, 2015).

[2] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction Emissions).

[3] Chronic Hazards for DPM using the chronic reference exposure level (REL) for the Respiratory Toxicological Endpoint.

Appendix C: Cultural Resources Records Search

Appendices

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South Central Coastal Information Center
California State University, Fullerton
Department of Anthropology MH-426
800 North State College Boulevard
Fullerton, CA 92834-6846
657.278.5395
California Historical Resources Information System
Los Angeles, Orange, Ventura and San Bernardino Counties
sccic@fullerton.edu

6/13/2019 SCCIC File #: 20260.6341

Jasmine Osman
Placeworks
3910 Normal St, Suite C
San Diego, CA 92103

Re: Records Search Results for the BREA-03.3 Project

The South Central Coastal Information Center received your records search request for the project area referenced above, located on the La Habra and Yorba Linda, CA USGS 7.5' quadrangles. The following summary reflects the results of the records search for the project area and a 1-mile radius. The search includes a review of all recorded archaeological and built-environment resources as well as a review of cultural resource reports on file. In addition, the California Points of Historical Interest (SPHI), the California Historical Landmarks (SHL), the California Register of Historical Resources (CAL REG), the National Register of Historic Places (NRHP), and the California State Historic Properties Directory (HPD) listings were reviewed for the above referenced project site and a 1-mile radius. Due to the sensitive nature of cultural resources, archaeological site locations are not released.

RECORDS SEARCH RESULTS SUMMARY

Archaeological Resources* (*see note below)	Within project area: 0 Within project radius: 5
Built-Environment Resources	Within project area: 0 Within project radius: 3
Reports and Studies	Within project area: 3 Within project radius: 42
OHP Historic Properties Directory (HPD)	Within project area: 0 Within project radius: 408
California Points of Historical Interest (SPHI)	Within project area: 0 Within project radius: 0
California Historical Landmarks (SHL)	Within project area: 0 Within project radius: 0
California Register of Historical Resources (CAL REG)	Within project area: 0 Within project radius: 2
National Register of Historic Places (NRHP)	Within project area: 0 Within project radius: 1

Archaeological Determinations of Eligibility (ADOE):	Within project area: 0 Within project radius: 0

HISTORIC MAP REVIEW – Anaheim (1896, 1942) 1:62,500 scale historic maps indicated that in 1896 there was one intermittent stream along Brea Canyon, which is northwest of the project area. There were also three improved roads. The place name of rancho San Juan Cajon de Santa Ana was visible on the map. In 1942 the town of Brea was already present. There were approximately 9 intermittent streams with three running through the project area. The area was quite developed with a grid-like system of improved roads, two of which ran through the project area. The Fullerton Reservoir was present as well as. There were many buildings in the area with four located within the project area. Two Churches and three schools were within the search radius and the Pacific Electric Railroad ran through the 1-mile radius to the north. Many oil wells were located to the south and were labeled Union Oil.

RECOMMENDATIONS

The archaeological sensitivity of the project location is unknown because there are no previous studies for the subject property. Additionally, the natural ground-surface appears to be obscured by urban development; consequently, surface artifacts would not be visible during a survey. While there are currently no recorded archaeological sites within the project area, buried resources could potentially be unearthed during project activities. Therefore, customary caution and a halt-work condition should be in place for all ground-disturbing activities. In the event that any evidence of cultural resources is discovered, all work within the vicinity of the find should stop until a qualified archaeological consultant can assess the find and make recommendations. Excavation of potential cultural resources should not be attempted by project personnel. It is also recommended that the Native American Heritage Commission be consulted to identify if any additional traditional cultural properties or other sacred sites are known to be in the area. The NAHC may also refer you to local tribes with particular knowledge of potential sensitivity. The NAHC and local tribes may offer additional recommendations to what is provided here and may request an archaeological monitor.

For your convenience, you may find a professional consultant**at www.chrisinfo.org. Any resulting reports by the qualified consultant should be submitted to the South Central Coastal Information Center as soon as possible.

**The SCCIC does not endorse any particular consultant and makes no claims about the qualifications of any person listed. Each consultant on this list self-reports that they meet current professional standards.

If you have any questions regarding the results presented herein, please contact the office at 657.278.5395 Monday through Thursday 9:00 am to 3:30 pm. Should you require any additional information for the above referenced project, reference the SCCIC number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the California Historical Resources Information System,

Stacy St. James

Digitally signed by Stacy St. James
Date: 2019.06.13 17:21:51 -07'00'

Michelle Galaz
Assistant Coordinator

Enclosures:

(X) Invoice # 20260.6341

*=When we report that no archaeological resources are recorded in your project area or within a specified radius around the project area; that does not necessarily mean that nothing is there. It may simply mean that the area has not yet been studied and that no information regarding the archaeological sensitivity of the property is available. The reported records search result does not preclude the possibility that surface or buried artifacts may be found during a survey of the property or ground-disturbing activities.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the California Historical Resources Information System (CHRIS) Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

The California Office of Historic Preservation (OHP) contracts with the California Historical Resources Information System's (CHRIS) regional Information Centers (ICs) to maintain information in the CHRIS inventory and make it available to local, state, and federal agencies, cultural resource professionals, Native American tribes, researchers, and the public. Recommendations made by IC coordinators or their staff regarding the interpretation and application of this information are advisory only. Such recommendations do not necessarily represent the evaluation or opinion of the State Historic Preservation Officer in carrying out the OHP's regulatory authority under federal and state law.

Appendix D: Energy Modeling

Appendices

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Energy Calculations

Construction-Related Fuel/Energy Usage (Option 1)

CONSTRUCTION WORKER COMMUTE

Year	Gas		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
2022	69,862	2,358	556	12	1,167	384
2023	1,010,118	34,229	7,251	157	16,461	5,370
2024	1,605,285	51,214	13,688	277	37,946	12,279
2025	815,012	26,046	6,225	128	18,731	6,013
Total	**3,500,276**	**113,847**	**27,721**	**574**	**74,306**	**24,045**

CONSTRUCTION VENDOR TRIPS

Year	Gas		Diesel	
	VMT	Gallons	VMT	Gallons
2022	426	84	4,317	523
2023	15,390	2,997	163,851	18,781
2024	16,085	3,112	180,049	20,312
2025	11,449	2,189	136,728	15,183
Total	**43,349**	**8,382**	**484,945**	**54,800**

CONSTRUCTION TRUCK HAUL TRIPS

Year	Gas		Diesel	
	VMT	Gallons	VMT	Gallons
2022	60	14	67,860	9,973
2023	29	7	31,223	4,318
Total	**89**	**20**	**99,083**	**14,291**

CONSTRUCTION OFF-ROAD EQUIPMENT

Year	Gasoline gallons	Diesel gallons
2022	5,377	61,346
2023	3,763	37,548
2024	1,664	11,313
2025	4,211	7,574
Total	**15,015**	**117,781**

CONSTRUCTION TOTAL

Year	Gas		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
2022	70,347	7,832	72,733	71,855	1,167	384
2023	1,025,536	40,996	202,326	60,804	16,461	5,370
2024	1,621,370	55,990	193,737	31,903	37,946	12,279
2025	826,461	32,446	142,953	22,885	18,731	6,013
Total	**3,543,715**	**137,265**	**611,749**	**187,446**	**74,306**	**24,045**

Operation-Related Vehicle Fuel/Energy Usage

EXISTING CONDITIONS COMMUTE

Vehicle Type	Gas		Diesel		CNG		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	Gallons	VMT	kWh
Passenger Vehicles	101,800,411	4,191,875	4,256,082	320,675	47,973	14,760	927,718	310,930

PROPOSED PROJECT COMMUTE

Vehicle Type	Gas		Diesel		CNG		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	Gallons	VMT	kWh
Passenger Vehicles	109,255,566	3,775,717	5,361,288	338,150	55,472	17,542	2,959,193	949,891
Net Change	**7,455,154**	**-416,159**	**1,105,205**	**17,475**	**7,499**	**2,782**	**2,031,475**	**638,961**

Construction Worker Trips Fuel Usage Worksheet

Note: Per CalEEMod methodology, worker vehicles are "LD_Mix", which is 50% LDA, 25% LDT1, and 25% LDT2

Activity[1]	Daily trips[1,2]	Trip miles[2]	Trip days[1]	Annual VMT
2022				
Building Demolition	10	14.7	88	12,936
Building Demolition Debris Haul	0	14.7	6	0
Asphalt Demolition	3	14.7	32	1,411
Asphalt Demolition Debris Haul	0	14.7	6	0
Site Preparation 2022	35	14.7	65	33,443
Site Preparation Soil Haul 2022	0	14.7	65	0
				0
2023				
Site Preparation 2023	35	14.7	33	16,979
Site Preparation Soil Haul 2023	0	14.7	33	0
Retail and Residential Building A Building Construction 2023	287	14.7	238	1,004,098
Retail Architectural Coating 2023	21	14.7	50	15,435
				0
2024				
Retail and Residential Building A Building Construction 2024	287	14.7	262	1,105,352
Finishing and Landscaping 2024	3	14.7	22	970
Paving 2024	8	14.7	5	588
				0
2025				
Retail and Residential Building A Building Construction 2025	287	14.7	195	822,686
Residential Architectural Coating 2025	21	14.7	66	20,374
				0

[1] *Based on information provided.*

[2] *Based on CalEEMod defaults.*

Year	LDA VMT	LDT1 VMT	LDT2 VMT	Gasoline[1]						Diesel[1]						Electricity[1]			
				LDA mpg	LDA gallons	LDT1 mpg	LDT1 gallons	LDT2 mpg	LDT2 gallons	LDA mpg	LDA gallons	LDT1 mpg	LDT1 gallons	LDT2 mpg	LDT2 gallons	LDA m/kWh	LDA kWh	LDT1 m/kWh	LDT1 kWh
2022	47,790	11,947	11,947	31.75	1,457	27.27	434	25.19	467	49.81	9	25.09	0	36.22	2	3.04	352	3.04	32
2023	518,256	259,128	259,128	32.64	15,300	27.97	9,163	26.05	9,767	51.12	102	25.61	2	37.23	53	3.07	4,446	3.07	923
2024	1,106,910	276,728	276,728	33.55	31,634	28.67	9,517	26.93	10,064	52.50	218	26.18	2	38.29	58	3.09	11,032	3.09	1,247
2025	421,530	210,765	210,765	34.56	11,631	29.45	7,034	27.90	7,382	53.99	82	26.85	1	39.42	45	3.12	4,849	3.12	1,164
	23894.85																		

Gasoline		Diesel		Electricity	
VMT	Gallons	VMT	Gallons	VMT	kWh
69,862	2,358	556	12	1,167	384
1,010,118	34,229	7,251	157	16,461	5,370
1,605,285	51,214	13,688	277	37,946	12,279
815,012	26,046	6,225	128	18,731	6,013
2,685,264	**87,801**	**21,495**	**446**	**55,574**	**18,032**

[1] *EMFAC2017 v1.0.3.*

Year	VMT from gasoline			VMT from diesel			VMT from electricity	
	LDA	LDT1	LDT2	LDA	LDT1	LDT2	LDA	LDT1
2022	96.79%	99.16%	98.44%	0.98%	0.02%	0.73%	2.24%	0.82%
2023	96.36%	98.89%	98.20%	1.01%	0.02%	0.77%	2.63%	1.09%
2024	95.89%	98.59%	97.95%	1.03%	0.02%	0.80%	3.08%	1.39%
2025	95.36%	98.26%	97.70%	1.05%	0.02%	0.83%	3.58%	1.72%

Appendix C: Evidence Used to Define the Average Number of KWH Required to Displace a Gallong of Gasoline

Table A 3: Evidence from U.S. Department of Energy and U.S. Environmental Protection Agency's fuel economy website[32]

Vehicle	Model year	Electric consumption	Gasoline fuel economy	Number of kWh that are equivalent to 1 gallon
Ford Fusion Energi & Ford C-Max Energi	2013	0.34 kWh per mile	43 mpg	14.6
Chevrolet Volt	2013	0.35 kWh per mile	37 mpg	12.9
Chevrolet Volt	2012	0.36 kWh per mile	37 mpg	13.3
Fisker Karma	2012	0.62 kWh per mile	20 mpg	12.4
Toyota Prius	2013	0.29 kWh per mile & 0.2 gal	50 mpg	13.1
Average for five models	-	-	-	13.3 +/- 0.8

Table A 5: Average power consumption per mile traveled over time for different PEV categories

Year range	2012- 2020	2020-2030	2030-2040	2040-2050	2050
Efficiency improvement per year	0.3%	0.8%	0.9%	0.9%	
Year	2012	2020	2030	2040	2050
Relative energy efficiency	1.000	0.976	0.901	0.823	0.752

https://www.fhwa.dot.gov/environment/climate_change/mitigation/publications_and_tools/ev_deployment/page08.cfm

		Year	Estimated Electric Consumption
0.34	14.6	2013	0.34
0.35	12.9	2014	0.34
0.36	13.3	2015	0.34
0.34	13.3	2016	0.34
		2017	0.34
		2018	0.34
		2019	0.34
		2020	0.33
		2021	0.33
		2022	0.33
		2023	0.33
		2024	0.32
		2025	0.32
		2026	0.32
		2027	0.32
		2028	0.31
		2029	0.31
		2030	0.31
		2031	0.31
		2032	0.30
		2033	0.30
		2034	0.30
		2035	0.29

Vendor Trips Fuel Usage Worksheet

Note: Based on CalEEMod methodology, vendor vehicles are 50% MHDT (T6) and 50% HHDT (T7).

Activity[1]	Daily trips[1,2]	Trip miles[2]	Trip days[1]	Annual VMT
2022				
Building Demolition	4	6.9	88	2,429
Building Demolition Debris Haul	0	6.9	6	0
Asphalt Demolition	3	6.9	32	662
Asphalt Demolition Debris Haul	0	6.9	6	0
Site Preparation 2022	4	6.9	65	1,794
Site Preparation Soil Haul 2022	0	6.9	65	0
			0	
2023				
Site Preparation 2023	4	6.9	33	911
Site Preparation Soil Haul 2023	0	6.9	33	0
Retail and Residential Building A Building Construction 2023	112	6.9	238	183,926
Retail Architectural Coating 2023	0	6.9	50	0
2024				
Retail and Residential Building A Building Construc	112	6.9	262	202,474
Finishing and Landscaping 2024	0	6.9	22	0
Paving 2024	0	6.9	5	0
2025				
Retail and Residential Building A Building Construction 2025	112	6.9	195	150,696
Residential Architectural Coating 2025	0	6.9	66	0
				0

[1] *Based on information provided.*
[2] *Based on CalEEMod defaults.*

Year	HHDT (T7) VMT	MHDT (T6) VMT	Gasoline[1]				Diesel[1]			
			HHDT (T7) mpg	HHDT (T7) gallons	MHDT (T6) mpg	MHDT (T6) gallons	HHDT (T7) mpg	HHDT (T7) gallons	MHDT (T6) mpg	MHDT (T6) gallons
2022	2,443	2,443	4.40	0	5.10	83	6.80	338	10.88	186
2023	92,419	92,419	4.50	18	5.14	2,979	7.23	11,995	11.36	6,786
2024	101,237	101,237	4.59	21	5.17	3,092	7.34	12,916	11.53	7,396
2025	75,348	75,348	4.69	16	5.23	2,173	7.48	9,726	11.72	5,457

[1] *EMFAC2017 v1.0.3.*

Year	VMT from gasoline		VMT from diesel	
	HHDT (T7)	MHDT (T6)	HHDT (T7)	MHDT (T6)
2022	0.08%	17.35%	94.09%	82.65%
2023	0.09%	16.56%	93.86%	83.44%
2024	0.09%	15.79%	93.64%	84.21%
2025	0.10%	15.09%	96.55%	84.91%

VENDOR

Gasoline		Diesel	
VMT	Gallons	VMT	Gallons
425.83	83.60	4,317	523
15,389.52	2,997.39	163,851	18,781
16,084.96	3,112.16	180,049	20,312
11,449	2,189	136,728	15,183
43,349.43	**8,382.47**	**484,944.95**	**54,799.52**

Truck Haul Trips Fuel Usage Worksheet

Note: Hauling vehicles are HHDT (T7)

Activity	Total Trips[1]	Mi/Trip[1]	Annual VMT
2022			
Building Demolition Debris Haul	160	20	3,200
Asphalt Demolition Debris Haul	163	20	3,260
Site Preparation Soil Haul 2022	3,178	20	63,560
			0
2023			
Site Preparation Soil Haul 2023	1,613	20	32,260
			0

[1] *Based on information provided.*

[2] *Based on CalEEMod defaults.*

Year	VMT	Gasoline[1]		Diesel[1]	
		HHDT (T7) mpg	HHDT (T7) gallons	HHDT (T7) mpg	HHDT (T7) gallons
2022	70,020	4.40	14	6.80	9,973
2023	32,260	4.50	7	7.23	4,318

[1] *EMFAC2017 v1.0.3.*

Gasoline		Diesel	
VMT	Gallons	VMT	Gallons
60	14	67,860	9,973
29	7	31,223	4,318
89	**20**	**99,083**	**14,291**

Year	VMT from gasoline	VMT from diesel
2022	0.09%	96.91%
2023	0.09%	96.79%

Off-Road Construction Equipment Fuel Usage Worksheet

Year	Total Gasoline	Total Diesel Gallons	Total Natural Gas
2022	5,377	61,346	0
2023	3,763	37,548	0
2024	1,664	11,313	0
2025	4,211	7,574	0
Total	**15,015**	**117,781**	**0**

Equipment Type[1]	Number of Equipment[1]	Horsepower	OFFROAD2017 Horsepower Category	Fuel Type	Working days[1]	Hours Per Day	Total Hours of Operation	Gasoline Gal/Hr[2]	Total Gasoline gallons	Diesel Gal/Hr[2]	Total Diesel gallons	Natural Gas Gal/Hr[2]	Total Natural Gas gallons
2022													
Building Demolition													
Crushing/Proc. Equipment	1	350	*100*	*Gasoline*	88	8	704	7.64	5,377	0.00	0	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	88	8	704	0.00	0	1.59	1,120	0.00	0
Excavators	2	131	*175*	*Diesel*	88	8	1,408	0.00	0	2.89	4,062	0.00	0
Asphalt Demolition													
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	32	8	256	0.00	0	1.59	407	0.00	0
Site Preparation 2022													
Excavators	1	101	*175*	*Diesel*	65	8	520	0.00	0	2.89	1,500	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	65	8	520	0.00	0	1.59	827	0.00	0
Graders	4	238	*300*	*Diesel*	65	8	2,080	0.00	0	4.58	9,521	0.00	0
Scrapers	8	365	*600*	*Diesel*	65	8	4,160	0.00	0	10.55	43,908	0.00	0
								TOTAL	**5,377**		**61,346**		**0**
2023													
Site Preparation 2023													
Excavators	1	101	*175*	*Diesel*	33	8	264	0.00	0	2.89	762	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	33	8	264	0.00	0	1.59	420	0.00	0
Graders	4	238	*300*	*Diesel*	33	8	1,056	0.00	0	4.55	4,802	0.00	0
Scrapers	8	365	*600*	*Diesel*	33	8	2,112	0.00	0	10.55	22,291	0.00	0
Retail and Residential Building A Building Construction 2023													
Concrete/Industrial Saws	1	23	*25*	*Gasoline*	238	8	1,904	0.79	1,512	0.00	0	0.00	0
Cranes	1	300	*300*	*Diesel*	238	8	1,904	0.00	0	3.28	6,241	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	238	8	1,904	0.00	0	1.59	3,032	0.00	0
Retail Architectural Coating 2023													
Air Compressors	2	78	*100*	*Gasoline*	50	6	600	3.75	2,252	0.00	0	0.00	0
								TOTAL	**3,763**		**37,548**		**0**
2024													
Retail and Residential Building A Building Construction 2024													
Concrete/Industrial Saws	1	23	*25*	*Gasoline*	262	8	2,096	0.79	1,664	0.00	0	0.00	0
Cranes	1	300	*300*	*Diesel*	262	8	2,096	0.00	0	3.27	6,855	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	262	8	2,096	0.00	0	1.59	3,340	0.00	0
Finishing and Landscaping 2024													
Graders	1	238	*300*	*Diesel*	22	8	176	0.00	0	4.53	798	0.00	0
Paving 2024													
Pavers	1	188	*300*	*Diesel*	5	8	40	0.00	0	4.74	190	0.00	0
Rollers	1	86	*100*	*Diesel*	5	8	40	0.00	0	1.69	68	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	5	8	40	0.00	0	1.59	64	0.00	0
								TOTAL	**1,664**		**11,313**		**0**
2025													
Retail and Residential Building A Building Construction 2025													
Concrete/Industrial Saws	1	23	*25*	*Gasoline*	195	8	1,560	0.79	1,238	0.00	0	0.00	0
Cranes	1	300	*300*	*Diesel*	195	8	1,560	0.00	0	3.26	5,086	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	195	8	1,560	0.00	0	1.59	2,488	0.00	0
Residential Architectural Coating 2025													
Air Compressors	2	78	*100*	*Gasoline*	66	6	792	3.75	2,973	0.00	0	0.00	0
								TOTAL	**4,211**		**7,574**		**0**

[1] Based on information provided.
[2] OFFROAD2017 v.1.0.1

OFFROAD 2022

	Equipment Type	Horsepower HP	Gasoline				Diesel				Natural Gas			
			Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	167634.95	1147.69	554796.35	0.302153309	8048.25	18.04	14694.8	0.547609855	0	0	0	0
Air Compressors50	Air Compressors	50	51107.3	47.54	22980.4	2.223951715	90706.15	109.07	88797.2	1.021497863	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	279732.35	154.21	74529.35	1.753137988	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	34113.65	10.36	5018.75	3.837090909	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	34251.6	105.53	39606.15	0.864805087	28984.65	158.63	63093.9	0.459383301	52782.65	119.01	44605.05	1.181743881
Aerial Lifts50	Aerial Lifts	50	72138.6	126	45526.45	1.584542612	114923.2766	464.4663277	140563.3895	0.817593392	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	141712.9508	407.2574923	122300.9001	1.152787431	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	129688.15	126	45526.45	2.848633047	58814.57377	155.4066193	46972.23181	1.252087024	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	12255.43602	37.50902415	5894.689864	2.079053749	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	732.9577806	3.499175945	199.8115076	3.665242855	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	520.0810161	0.219191283	66.60383586	7.808560864	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	4347.15	26.82	3321.5	1.308791209	3522.25	6.55	5299.8	0.664606955	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	689.85	2.51	262.8	2.623	3116.601053	7.655787819	2725.003055	1.143705746	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	4858.336931	5.382368535	2064.521077	1.823312669	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	7873.05	11.48	1237.35	6.362831858	14868.48469	17.48743112	6675.571651	2.137038007	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	2741.15	2.86	321.2	8.534090909	22746.54998	18.45447803	5841.804123	3.89375431	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	3241.749378	18.77682957	6074.98594	5.271139416	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	54977.42408	15.55333736	5251.989773	10.46752291	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	29757.28077	3.342602368	1772.941246	16.78413246	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	17031.11048	0.483529443	352.6734469	48.29164533	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	141284.4	4041.67	372175.9	0.184891075	9102.6	91.01	27720.25	0.330269521	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	128948.5	568.88	161662.15	0.793931049	288.35	0.65	183.25	0.752380952	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	15771.65	9.34	5701.3	2.766352524	4586.75	5.69	1321.5	1.382417582	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	15388.4	5.35	3266.75	4.710614525	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	60.21120479	0.30363275	145.4461827	0.413975854	0	0	0	0
Cranes50	Cranes	50	2282.2	2.86	1175.3	1.950310559	975.520139	3.238749338	1414.920814	0.689452302	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	391.501185	1.012109168	377.3738794	1.042719663	0	0	0	0
Cranes100	Cranes	100	7825.6	5.69	2357.9	3.318885449	22064.75294	38.05109473	16880.90906	1.307202583	0	0	0	0
Cranes175	Cranes	175	500.05	0.25	102.2	4.892857143	67503.49957	67.71010335	30931.47777	2.182356112	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	116397.0646	75.19971119	35448.51824	3.283552328	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	202644.6743	74.89607844	37132.59542	5.465405038	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	4072.624148	1.012109168	432.2919531	9.421003835	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	11211.28173	1.010376669	802.7248126	13.96644497	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	3159.496798	8.982743298	3065.467515	1.030673784	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	340.0479247	1.077925186	218.7713819	1.554352854	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	139197.2644	153.2455996	71654.70847	1.942611552	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	152245.4399	101.4153711	45980.57316	3.311081378	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	159713.5451	78.59900332	35075.45587	4.553427493	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	558489.9751	137.5257989	65310.33834	8.551325766	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	5795.925628	0.988101756	417.4305764	13.74102893	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	32209.27762	2.694829717	1491.99521	21.58804253	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	1908.95	6.72	1841.8	0.983082707	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	6077.25	3.3	795.7	7.637614679	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	1371.65	269.38	4015.55	0.341328249	908.85	3.9	2598.9	0.349715301	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	642.4	2.02	259.15	2.478873239	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	6351.182284	6.310021161	8516.633428	0.745973434	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	126332.2651	219.617211	160707.6388	0.786103562	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	29.77117849	0.090030754	28.48699888	1.045118672	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	163965.5361	158.2324004	102484.2477	1.599099649	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	346075.5468	202.785892	119950.2162	2.885159842	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	44184.01093	175.4237477	102228.4355	4.322026535	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	785787.1276	182.9843602	117646.5698	6.679218348	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	6257.766077	0.990077953	485.8169755	12.88078924	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	21816.62454	1.350105806	916.4204665	23.80634801	0	0	0	0
Forklifts25	Forklifts	25	1489.2	2.42	2175.4	0.684563758	37.19250492	0.218513203	64.33811466	0.578259496	1397.36	1.34	1427.15	0.979539642
Forklifts50	Forklifts	50	1204875.05	421.44	757608.6	1.590367308	81119.34249	227.6085075	161153.3886	0.503167278	1859700.55	773.21	1193018.85	1.335014653
Forklifts75	Forklifts	75	0	0	0	0	7154.515821	19.73295894	9401.761375	0.760814267	0	0	0	0
Forklifts100	Forklifts	100	56020646.15	1491.81	2663700.65	2.103330995	1207621.409	1917.420587	1221664.262	0.988506391	1163844.8	2713.81	488900.85	2.380498619
Forklifts175	Forklifts	175	3925592.2	54.49	97330.9	4.031350829	356709.6555	354.7995713	224476.4844	1.589073801	873501.4	99.31	178912.05	4.882306139
Forklifts300	Forklifts	300	0	0	0	0	68758.75154	43.31906322	30408.11878	2.261139715	0	0	0	0
Forklifts600	Forklifts	600	0	0	0	0	17847.77166	6.884339954	4583.870369	3.893602981	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	292.2707619	0.106156602	22.51139451	12.98535474	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	1282.61337	0.177947269	140.260294	9.144522184	0	0	0	0
Generator Sets25	Generator Sets	25	2432221.3	30144.48	3465543.4	0.70223697	210652.45	1026.37	3466721	0.607991656	0	0	0	0
Generator Sets50	Generator Sets	50	3986578.05	1564.81	1779735.6	2.218224805	249966.15	529.5	178733.2	1.39787698	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	1802777.1	302.21	34711.5	5.193585699	0	0	0	0	16169.3	22.47	2587.85	6.248236955
Generator Sets175	Generator Sets	175	29466.45	28.97	3274.05	9	0	0	0	0	23378.25	18.83	2146.2	10.89285719
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	24.28796138	0.180896688	41.32900401	0.587673523	0	0	0	0
Graders50	Graders	50	0	0	0	0	811.3642819	2.623001983	924.4264972	0.877854751	0	0	0	0
Graders75	Graders	75	0	0	0	0	349.9958398	0.723580753	230.3058749	1.519699966	0	0	0	0
Graders100	Graders	100	0	0	0	0	18588.10756	26.59183118	9953.479581	1.867609522	0	0	0	0
Graders175	Graders	175	0	0	0	0	211371.1849	142.1847993	67082.79915	3.150901769	0	0	0	0
Graders300	Graders	300	0	0	0	0	445778.266	128.255752	97387.56173	4.577363434	0	0	0	0
Graders600	Graders	600	0	0	0	0	19159.51274	3.945387343	2564.671346	7.470553816	0	0	0	0
Graders750	Graders	750	0	0	0	0	0	0	0	0	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	15130.0397	0.542690065	395.5185984	38.25167684	0	0	0	0
Pavers25	Pavers	25	11709.2	26.26	10398.85	1.126009138	1708.2	2.46	2031.15	0.849364791	0	0	0	0
Pavers50	Pavers	50	7351.2	8.04	3168.2	2.320276498	3481.346153	10.58036199	3740.023886	0.930550729	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	5293.464722	10.18901659	3444.929678	1.536559872	0	0	0	0
Pavers100	Pavers	100	6624.75	4.42	1752	3.78125	28138.76445	60.75606936	16202.19671	1.73672527	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	45750.4513	34.87103093	13459.83885	3.399033858	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	35727.38523	16.77674283	7547.479404	4.733763859	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	6497.624543	1.844563348	802.7098542	8.094611957	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	1340.274805	0.1756727	83.18080864	16.11278884	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment25	Paving Equipment	25	2492835.05	2873.46	543579.9	0.456757047	2031.05	4.26	3518.6	0.57730843	0	0	0	0
Paving Equipment50	Paving Equipment	50	86737.65	22.09	3869	2.227358491	4334.534682	12.97687413	6114.926931	0.709574301	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	6673.903597	1.315245945	527.2315512	1.267284972	0	0	0	0
Paving Equipment100	Paving Equipment	100	3566.05	5.7	1000.1	3.565893431	17939.87675	21.76537084	10955.80515	1.636879169	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	19447.16872	15.87281228	7305.635168	2.661948854	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	13051.84187	6.577132152	3078.049915	4.240295713	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	13978.52477	4.121669482	1917.795709	7.288844119	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	2790.148525	0.438475473	237.2200156	11.76173317	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	1266.198072	0.175390191	81.74473551	15.48965899	0	0	0	0
Rollers25	Rollers	25	57863.45	310.9	77431.1	0.747285953	37281.1	140.21	97520.7	0.382389859	0	0	0	0
Rollers50	Rollers	50	9537.45	5.49	3540.5	2.693814433	71057.52888	266.3534365	92234.33319	0.770402153	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	788.384339	2.529835544	582.1589232	1.354375722	0	0	0	0
Rollers100	Rollers	100	30057.75	10.71	6650.3	4.519758507	110403.8019	196.4221069	65178.34989	1.693872453	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	114918.1064	114.9259053	41221.15578	2.787842898	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	19032.65139	14.72714049	4534.876213	4.19699054	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	11155.26713	5.330682753	1637.129741	6.813917584	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	0	0	0	0	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	37.19256949	0.208533203	64.31814464	0.578259494	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	1551.25	1.16	470.85	3.294573643	3582.367762	11.88639257	3245.920852	1.103652232	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	98.75678509	0.312799859	71.58307945	1.379598059	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	34028.95	16.17	6675.85	5.09732094	280018.3693	500.0526208	141279.2646	2.003574763	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	1919.9	0.59	226.3	8.483870968	62268.944	87.16687886	23883.93613	2.606531008	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	4568.721067	1.675864586	1044.931148	4.372269816	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	1698.57999	0.834132812	213.4408545	7.958082786	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	292.2767883	0.104286602	22.51134631	12.98535374	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	3156.550183	3.524360672	3148.166016	0.942769907	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	3173.365989	3.008600574	2254.761076	1.407406762	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	19368.02955	6.704861276	5785.079445	1.746744216	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	14177.14488	6.18912138	4863.614505	2.914940087	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	15328.6871	4.813760918	3377.722826	4.538146697	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	159494.3314	28.88256552	20986.30511	7.599924358	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	4560.088759	0.943840884	342.8980789	13.23852472	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Scrapers25	Scrapers	25	0	0	0	0	25.26813835	0.088587831	36.43098372	0.693581041	0	0	0	0
Scrapers50	Scrapers	50	0	0	0	0	201.1158018	0.53152898	190.3518896	1.056543216	0	0	0	0
Scrapers75	Scrapers	75	0	0	0	0	1774.784555	2.191871447	1048.200359	1.693173008	0	0	0	0
Scrapers100	Scrapers	100	0	0	0	0	7998.845544	5.846796869	3536.132956	2.262031333	0	0	0	0
Scrapers175	Scrapers	175	0	0	0	0	107911.2977	57.67067821	25758.22345	4.189302095	0	0	0	0
Scrapers300	Scrapers	300	0	0	0	0	127186.3558	56.34180274	22881.69369	5.558432178	0	0	0	0
Scrapers600	Scrapers	600	0	0	0	0	1576095.151	310.9432881	149323.7209	10.55488801	0	0	0	0
Scrapers750	Scrapers	750	0	0	0	0	24216.2523	4.252215905	1552.769484	15.59552369	0	0	0	0
Scrapers9999	Scrapers	9999	0	0	0	0	36421.28466	2.301285914	914.215297	39.83893916	0	0	0	0
Skid Steer Loaders25	Skid Steer Loaders	25	1884861	542.92	173345.8	1.093110419	16416.15	313.68	26187.35	0.62770599	0	0	0	0
Skid Steer Loaders50	Skid Steer Loaders	50	45988.1	77.62	24086.35	1.90847098	53781.57882	184.4830021	58305.85221	0.925858059	0	0	0	0
Skid Steer Loaders75	Skid Steer Loaders	75	0	0	0	0	28170.2.3383	586.467538	209449.5565	1.344903074	0	0	0	0
Skid Steer Loaders100	Skid Steer Loaders	100	61495.2	46.43	14406.55	4.268583689	4104.302824	8.872011485	2874.844134	1.427656078	0	0	0	0
Skid Steer Loaders175	Skid Steer Loaders	175	0	0	0	0	1928.883059	2.469529523	666.8092047	2.894205779	0	0	0	0
Skid Steer Loaders300	Skid Steer Loaders	300	0	0	0	0	1793.450365	1.554888953	458.8884494	3.908249167	0	0	0	0
Skid Steer Loaders600	Skid Steer Loaders	600	0	0	0	0	518.4920865	0.182938115	57.46553786	9.022631386	0	0	0	0
Skid Steer Loaders750	Skid Steer Loaders	750	0	0	0	0	0	0	0	0	0	0	0	0
Skid Steer Loaders9999	Skid Steer Loaders	9999	0	0	0	0	701.8505483	0.182928113	36.88242702	19.02940227	0	0	0	0
Surfacing Equipment25	Surfacing Equipment	25	121242.05	775.51	331792.3	0.365415502	0	0	0	0	0	0	0	0
Surfacing Equipment50	Surfacing Equipment	50	0	0	0	0	498.4763127	3.236095449	783.2006773	0.631823813	0	0	0	0
Surfacing Equipment75	Surfacing Equipment	75	0	0	0	0	300.5714477	1.161675289	288.9122823	1.040353379	0	0	0	0
Surfacing Equipment100	Surfacing Equipment	100	0	0	0	0	3083.865457	7.965773412	2211.10788	1.394714154	0	0	0	0
Surfacing Equipment175	Surfacing Equipment	175	0	0	0	0	2531.466019	4.729677952	1175.276142	2.153963956	0	0	0	0
Surfacing Equipment300	Surfacing Equipment	300	0	0	0	0	5133.168298	5.891353253	1450.050088	3.539971675	0	0	0	0
Surfacing Equipment600	Surfacing Equipment	600	0	0	0	0	18000.6497	9.791283153	2801.738757	6.424834496	0	0	0	0
Surfacing Equipment750	Surfacing Equipment	750	0	0	0	0	6970.037367	2.406337385	699.8264956	9.962511753	0

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Orange (SC)	2022 ConstMin - Paving Equipment	Aggregate	100 Diesel	0.000224898	0.000272127	0.000323853	0.003601103	0.002844358	0.552950708	0.000150838	0.000138771		5.11E-06	4.51E-06	17939.87675	10959.80515	23.76537084	975538.1			
Orange (SC)	2022 ConstMin - Paving Equipment	Aggregate	175 Diesel	0.000226822	0.000274455	0.000326624	0.003523304	0.002802993	0.599409119	0.000137779	0.000126757		5.54E-06	4.89E-06	19447.16872	7305.635168	15.87281226	1080799			
Orange (SC)	2022 ConstMin - Paving Equipment	Aggregate	300 Diesel	0.000124266	0.000150362	0.000178943	0.000882771	0.001711117	0.402289564	6.54E-05	6.02E-05		3.72E-06	3.28E-06	13051.84187	3078.049915	6.577121252	710431.1			
Orange (SC)	2022 ConstMin - Paving Equipment	Aggregate	500 Diesel	0.000119512	0.000137449	0.000163457	0.000859892	0.001523663	0.430851832	4.90E-05	4.51E-05		3.98E-06	3.52E-06	13978.5132	1917.795599	4.121669482	762249.2			
Orange (SC)	2022 ConstMin - Paving Equipment	Aggregate	750 Diesel	1.66E-05	2.00E-05	2.39E-05	0.000159208	0.000189769	0.08559825	4.78E-06	4.39E-06		7.95E-07	7.02E-07	2790.118525	237.2200156	0.438475477	151758.7			
Orange (SC)	2022 ConstMin - Paving Equipment	Aggregate	9999 Diesel	6.16E-06	7.46E-06	8.87E-06	7.29E-05	0.000173021	0.039027283	2.85E-06	2.62E-06		3.61E-07	3.19E-07	1266.198071	81.74473551	0.175390191	68912.01			
Orange (SC)	2022 ConstMin - Rollers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Rollers	Aggregate	50 Diesel	0.002266054	0.002741925	0.003263118	0.016381632	0.015656024	2.190166156	0.000929631	0.000855261		2.02E-05	1.79E-05	71057.52888	92234.33119	266.3534365	3293567			
Orange (SC)	2022 ConstMin - Rollers	Aggregate	75 Diesel	7.41E-05	8.97E-05	0.000106757	0.000292678	0.000666986	0.02430023	4.82E-05	4.44E-05		2.22E-07	1.98E-07	788.394193	582.1089232	2.529815544	49402.9			
Orange (SC)	2022 ConstMin - Rollers	Aggregate	100 Diesel	0.001590116	0.00192404	0.002289767	0.022158063	0.020153156	3.402914128	0.001153084	0.001060837		3.14E-05	2.78E-05	110403.8013	65178.34393	196.4221069	5689682			
Orange (SC)	2022 ConstMin - Rollers	Aggregate	175 Diesel	0.000911149	0.001102491	0.001312055	0.010734778	0.011559888	1.954850632	0.000661775	0.000609755		2.85E-05	2.48E-05	114918.1064	41221.15578	114.9295061	5926001			
Orange (SC)	2022 ConstMin - Rollers	Aggregate	300 Diesel	0.000202858	0.000245458	0.000292116	0.003716781	0.002862153	0.586632678	0.000107608	9.90E-05		5.42E-06	4.79E-06	19032.65119	4534.876217	14.72714049	980709.1			
Orange (SC)	2022 ConstMin - Rollers	Aggregate	600 Diesel	8.13E-06	9.84E-06	0.000117057	0.000593127	0.000112365	0.34383251	3.80E-05	3.50E-05		3.18E-06	2.81E-06	11155.26713	1637.120741	5.330682753	571787.6			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	25 Diesel	6.28E-07	7.60E-07	9.04E-07	7.41E-06	9.79E-06	0.001146365	5.49E-07	5.01E-07		1.06E-08	9.36E-09	37.19256045	64.31811464	0.238533203	1607.953			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	50 Diesel	0.000123221	0.000149097	0.000177418	0.000809798	0.000758003	0.110417302	4.46E-05	4.10E-05		1.02E-06	9.01E-07	3582.367752	1245.920852	11.88639257	155048.9			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	75 Diesel	8.42E-06	1.02E-05	1.21E-05	5.53E-05	5.18E-05	0.007539722	3.04E-06	2.79E-06		2.79E-08	2.48E-08	98.75370252	71.58397645	0.317298805	4748.88			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	100 Diesel	0.000177125	0.000214212	0.00025508	0.053080656	0.031843557	9.723135375	0.000855345	0.000786918		8.06E-05	7.12E-05	283018.3603	141279.2649	500.0626208	13603564			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	175 Diesel	0.000756817	0.000915772	0.001089465	0.010008314	0.006812648	1.258464269	0.000543883	0.000500933		1.75E-05	1.57E-05	62248.944	21883.93633	73.16687806	2994176			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	300 Diesel	2.57E-05	3.11E-05	3.70E-05	0.000263304	0.000417711	0.140819113	9.62E-06	8.85E-06		1.30E-06	1.15E-06	4568.721042	1044.931148	4.17066406	219707.4			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	600 Diesel	5.67E-06	6.86E-06	8.17E-06	9.39E-05	5.89E-05	0.052154373	8.91E-07	8.20E-07		4.84E-07	4.27E-07	1698.57999	211.4408545	0.834132812	82218.2			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	750 Diesel	1.54E-06	1.86E-06	2.22E-06	1.66E-05	2.29E-05	0.002600868	1.62E-07	1.49E-07		8.32E-08	7.35E-08	292.2767891	22.51134013	0.102466002	14069.99			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	50 Diesel	0.000173031	0.00020927	0.000249168	0.00103867	0.000756241	0.097292567	6.16E-06	5.66E-06		8.94E-07	7.94E-07	3156.550183	1348.166036	3.524360617	138877.7			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	75 Diesel	0.000315764	0.000164274	0.00019 95	0.000830449	0.001325981	0.097810871	9.97E-05	9.17E-05		9.00E-07	7.98E-07	3171.365989	2254.761079	3.008600574	154001.8			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	100 Diesel	0.000333772	0.000408864	0.000486351	0.002458541	0.003388305	0.510321199	0.000250819	0.000230774		2.86E-06	2.53E-06	10068.02955	5785.079445	9.944881174	488974.1			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	175 Diesel	0.000440202	0.000532645	0.000633891	0.003149069	0.004864571	0.436974145	0.000309442	0.000284686		4.03E-06	3.57E-06	14177.14489	4863.614505	6.189521183	693176.8			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	300 Diesel	0.000393786	0.000479481	0.000570702	0.002697794	0.005202989	0.471464849	0.000240893	0.000221639		4.36E-06	3.86E-06	15328.6017	3377.722829	4.831780918	747252.7			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	500 Diesel	0.000359677	0.000435092	0.000517949	0.004556559	0.004975433	0.431603867	0.000210701	0.000194222		4.53E-05	4.01E-05	159494.3314	20986.30513	28.48295551	7742866			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	750 Diesel	5.51E-05	6.67E-05	7.93E-05	0.000289	0.000696276	0.140551498	2.70E-05	2.48E-05		1.30E-06	1.15E-06	4560.038576	342.8580789	0.341840066	223038.9			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	9999 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Rubber Tired Loaders	Aggregate	25 Diesel	0.000054594	0.000661889	0.000728199	0.003221112	0.002465069	0.30475452	0.000163953	0.000169237		2.80E-06	2.49E-06	9887.424786	13395.36437	13.26026456	473678			
Orange (SC)	2022 ConstMin - Rubber Tired Loaders	Aggregate	50 Diesel	0.005102138	0.006252158	0.007440823	0.054557939	0.053537497	7.417070163	0.003178641	0.003483157		6.84E-05	6.05E-05	240636.7256	151012.1694	164.7677468	12080424			
Orange (SC)	2022 ConstMin - Rubber Tired Loaders	Aggregate	75 Diesel	0.008141016	0.00985063	0.011723063	0.110257858	0.084105286	17.58769001	0.00453658	0.004173653		0.000162363	0.000143548	570613.233	203729.7259	216.1064737	30567701			
Orange (SC)	2022 ConstMin - Rubber Tired Loaders	Aggregate	300 Diesel	0.009009698	0.010901755	0.012973955	0.059798119	0.112267128	25.49955289	0.009785683	0.009482828		0.000235452	0.000208955	827188.116	212433.0995	199.2623539	44319548			
Orange (SC)	2022 ConstMin - Rubber Tired Loaders	Aggregate	600 Diesel	0.012636928	0.015293554	0.018200577	0.087745974	0.142453599	32.85494875	0.013454973	0.013044831		0.000303381	0.000268158	1065943.798	179706.0922	178.2908505	55872417			
Orange (SC)	2022 ConstMin - Rubber Tired Loaders	Aggregate	750 Diesel	0.000888176	0.001074693	0.001279773	0.008925799	0.007855839	3.195623613	0.000277488	0.000255289		2.95E-05	2.61E-05	103678.4888	8643.703922	8.601252686	5585294			
Orange (SC)	2022 ConstMin - Rubber Tired Loaders	Aggregate	9999 Diesel	0.000272628	0.000330008	0.000392953	0.002740499	0.002410826	0.980279267	0.000085139	0.000078379		2.11E-05	1.86E-05	73994.72244	4120.27505	1.494258004	1947342			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	25 Diesel	1.45E-07	1.75E-07	2.09E-07	4.08E-06	3.75E-06	0.000778826	1.31E-08	1.20E-08		7.20E-09	6.36E-09	25.26813835	36.43098172	0.085878931	910.7746			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	50 Diesel	2.98E-05	3.61E-05	4.29E-05	0.000101819	7.21E-05	0.010019859	4.25E-06	3.84E-06		5.64E-08	5.00E-08	201.1150818	195.3518899	0.615529888	7372.316			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	75 Diesel	8.68E-05	0.000105002	0.000124961	0.000454092	0.000806331	0.054703184	6.97E-05	6.41E-05		5.03E-07	4.46E-07	1774.784555	1048.200359	2.391871447	71070.32			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	100 Diesel	0.000211282	0.000255652	0.000304246	0.001854515	0.002657874	0.244563845	0.000159804	0.000146199		2.27E-06	2.01E-06	7998.845544	3536.132956	5.946798689	318895.4			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	175 Diesel	0.000350679	0.000424321	0.000505779	0.002134083	0.004153888	0.324553888	0.000253906	0.000232178		1.07E-05	9.47E-06	37911.29777	25758.22345	57.67067021	4279533			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	300 Diesel	0.000208265	0.000252751	0.000299992	0.011113343	0.027061375	3.920193147	0.001179845	0.001085457		3.62E-05	3.20E-05	127186.3558	32881.69369	56.34180074	5110606			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	600 Diesel	0.000857269	0.001057189	0.001274746	0.005176433	0.014435818	4.597609001	0.000487564	0.000431884		0.000485581	0.000396496	1576095.151	149123.7209	310.9432881	45023			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	750 Diesel	0.000801204	0.000969457	0.001153734	0.008996853	0.013131081	0.746040893	0.000518896	0.000459845		6.88E-06	6.09E-06	24216.2523	1552.769484	4.252215905	966285.8			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	9999 Diesel	0.000879447	0.001064111	0.001266404	0.010863079	0.014590408	1.512393034	0.000543132	0.000481107		1.04E-05	9.16E-06	36421.29664	914.2152497	1.844228154	1340154			
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	50 Diesel	0.000847716	0.001025736	0.00122071	0.010275588	0.009647866	1.657079317	0.000828946	0.000826303		1.53E-05	1.35E-05	53781.57862	58085.85231	184.4830021	2510360			
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	75 Diesel	0.002218381	0.002684241	0.003194668	0.053692058	0.035735985	8.682752369	0.001806573	0.001802947		8.02E-05	7.09E-05	28170.2.3383	209449.5565	586.4675306	14779100			
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	100 Diesel	4.26E-05	5.16E-05	6.14E-05	0.000825551	0.00079952	0.126504584	4.97E-05	4.57E-05		1.17E-06	1.03E-06	4104.30192	2874.844134	8.872013485	217146.7			
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	175 Diesel	1.46E-05	1.76E-05	2.10E-05	0.000277227	0.000277	0.059483697	2.41E-05	2.21E-05		5.52E-07	4.85E-07	1923.883054	666.8092047	2.469525277	101511.1			
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	300 Diesel	8.98E-06	1.09E-05	1.29E-05	0.000102781	0.00013002	0.05527851	3.73E-06	3.43E-06		5.11E-07	4.51E-07	1793.450565	458.8884404	1.554888901	94115.7			
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	600 Diesel	3.99E-06	4.84E-06	5.75E-06	5.00E-05	6.28E-05	0.019881189	6.72E-06	6.18E-06		1.48E-07	1.30E-07	518.4928865	57.46553786	0.201228213	27184.71			
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	9999 Diesel	1.07E-05	1.30E-05	1.55E-05	7.17E-05	0.000191302	0.021632744	6.37E-06	5.86E-06		2.00E-07	1.77E-07	701.8505403	16.88242702	0.038298113	36882.43			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	50 Diesel	9.06E-06	1.10E-05	1.31E-05	9.67E-05	0.000102265	0.015364256	3.96E-06	3.64E-06		1.42E-07	1.25E-07	498.4763786	789.2006777	3.236095449	28915.2			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	75 Diesel	8.19E-06	9.91E-06	1.18E-05	6.65E-05	0.000114828	0.009264344	7.05E-06	6.48E-06		8.54E-08	7.56E-08	300.5714473	288.9128227	1.161675289	19188.19			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	100 Diesel	3.06E-05	3.70E-05	4.40E-05	0.000351411	0.000566567	0.079552185	2.10E-05	1.94E-05		3.78E-07	3.35E-07	1331.863457	2211.10788	7.965779412	197064.5			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	175 Diesel	3.96E-05	4.79E-05	5.70E-05	0.000460396	0.000469698	0.07802595	2.73E-05	2.48E-05		7.20E-07	6.37E-07	2531.466019	1175.270142	4.729677963	162238.9			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	300 Diesel	5.15E-05	6.23E-05	7.42E-05	0.000602719	0.000792	0.108727138	3.55E-05	3.28E-05		1.46E-06	1.29E-06	5113.168098	1450.059268	5.981353128	328800.6			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	600 Diesel	9.80E-05	0.000011859	0.000141132	0.001116397	0.001315891	0.554823862	4.95E-05	4.55E-05		5.13E-06	4.53E-06	18000.64917	2801.728757	9.791263152	1154541			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	750 Diesel	4.32E-05	5.23E-05	6.22E-05	0.000415507	0.000613485	0.214833526	2.47E-05	2.27E-05		1.98E-06	1.75E-06	6970.037167	699.6264956	2.404327385	448007.8			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	9999 Diesel	2.68E-05	3.25E-05	3.86E-05	0.000193948	0.000570716	0.060179317	1.11E-05	1.02E-05		8.47E-07	7.48E-07	2974.423574	2250.579692	0.829798266	190702.2			
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	50 Diesel	0.001433327	0.001736426	0.002063923	0.009372504	0.007726411	1.010821217	0.000575503	0.000529405		9.30E-06	8.25E-06	32794.98117	35132.08329	49.69436011	1252028			
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	75 Diesel	0.000218776	0.000288919	0.000343837	0.002169053	0.002464247	0.299674468	0.000180931	0.000166457		2.76E-06	2.45E-06	972.6081033	5652.256102	9.499089324	413360.3			
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	100 Diesel	0.000667918	0.000808181	0.000961803	0.007067441	0.007707494	1.252832464	0.000502487	0.000462481		1.17E-05	1.03E-05	4096.132287	21963.58049	38.63858419	1737725			
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	175 Diesel	0.000195565	0.000236634	0.000281624	0.002372347	0.002210838	0.389689478	0.000160486	9.80E-05		1.60E-06	3.18E-06	12643.04594	3355.826113	4.661594842	536369.5			
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	300 Diesel	6.44E-05	7.80E-05	9.28E-05	0.000491133	0.000878757	0.234026264	2.80E-05	2.57E-05		2.16E-06	1.91E-06	7591.724615	1536.094	2.110910872	432114.3			
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	600 Diesel	2.58E-05	3.13E-05	3.71E-05	0.000419567	0.000353368	0.031040975	1.78E-05	1.64E-05		2.91E-07	2.58E-07	1025.388616	131.8216725	0.475357896	86710.15			
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	9999 Diesel	3.19E-06	3.86E-06	4.60E-06	7.17E-05	0.000173493	0.040607605	1.35E-06	1.25E-06		3.75E-07	3.31E-07	1317.46901	65.91083623	0.08795462	55892.39			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	50 Diesel	0.003234555	0.003911569	0.004657671	0.027077388	0.022928191	3.27380121	0.001238676	0.001139582		3.02E-05	2.67E-05	106214.8748	133481.2554	258.1896461	5053439			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	75 Diesel	0.001201168	0.001453413	0.001729682	0.004847961	0.011401616	0.482121354	0.000923824	0.000849202		4.42E-06	3.91E-06	15641.60437	11445.50794	33.48599703	821141.2			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	100 Diesel	0.020116514	0.024340882	0.02896778	0.345626355	0.251012743	52.28689247	0.011190095	0.012134888		0.000482815	0.000426759	1696390.643	1066412.649	1703.152049	86689047			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	175 Diesel	0.002881084	0.003488117	0.004148768	0.053652605	0.030560468	9.123566377	0.001554784	0.001403355		8.43E-05	7.45E-05	296004.0633	108870.4434	196.1167172	15613394			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	300 Diesel	0.001725239	0.002087601	0.002484418	0.016659514	0.021853214	5.751649349	0.000768891	0.000709738		5.31E-05	4.69E-05	186605.5288	36839.94552	58.07641	9879541			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	600 Diesel	0.00193751	0.002344387	0.002790014	0.017494161	0.021267435	7.507922255	0.000781206	0.000718709		6.94E-05	6.13E-05	243586.2691	37986.68466	70.08006579	12877599			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	750 Diesel	5.59E-05	6.77E-05	8.05E-05	0.000514861	0.000611287	0.124286452	2.33E-05	2.14E-05		1.16E-06	4.60E-07	1836.45	384.2416667	0.689235562	249494.3			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	9999 Diesel	0.000656805	0.000794734	0.000945799	0.004948503	0.015427894	2.563805942	0.000292505	0.000269104		2.37E-05	2.09E-05	83179.86027	2358.181177	3.778385065	4364410			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	50 Diesel	0.00117543	0.00142227	0.001692619	0.008965583	0.008405127	1.160749181	0.000542256	0.000498876		1.07E-05	9.47E-06	37659.22885	32615.08786	84.66282476	1300170			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	75 Diesel	9.47E-05	0.000114584	0.000136365	0.000575694	0.000955954	0.069296108	6.56E-05	6.04E-05		6.38E-07	5.66E-07	2248.235896	1234.854445	4.521764504	86202.47			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	100 Diesel	0.000595654	0.000721814	0.000859033	0.005163631	0.008034648	0.745139314	0.000419456	0.000386511		7.06E-06	6.25E-06	24825.84986	11399.00401	34.53858419	1035545.4			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	175 Diesel	0.000108057	0.000130749	0.000155602	0.00112915	0.001365147	0.178070872	9.95E-05	6.40E-05		1.65E-06	1.46E-06	5803.268457	1590.277597	5.387634303	223614.3			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	300 Diesel	0.000192128	0.000232266	0.000276881	0.002026548	0.002656801	0.318625099	0.000115748	0.000106497		2.86E-06	2.53E-06	10045.02447	2136.049408	4.840405.6	6.920958389	480405.6		
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	600 Diesel	0.000179894	0.000217672	0.000259048	0.002025566	0.002213354	0.586077671	9.28E-05	8.54E-05		5.41E-06	4.78E-06	19034.64458	1914.707415	5.195218792	729566.6			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	750 Diesel	1.53E-05	1.85E-05	2.20E-05	0.000331333	9.23E-05	0.018820674	3.13E-06	2.88E-06		2.04E-06	1.80E-06	6107.910234	362.8854129	1.248712	2.94872.2			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	9999 Diesel	2.77E-05	3.35E-05	3.99E-05	0.000402516	0.000381394	0.051547232	1.78E-05	1.64E-05		1.39E-07	1.24E-07	491.4352468	21.98031997	0.096207755	18903.09			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 Industrial - Aerial Lifts	Aggregate	50 Diesel	0.000806923	0.000976377	0.001161969	0.018770499	0.017530851	3.54221537	0.001463389	0.001346677		3.27E-05	2.89E-05	114923.2766	140563.3893	464.4663277	6488403			
Orange (SC)	2022 Industrial - Aerial Lifts	Aggregate	75 Diesel	0.000729043	0.000882142	0.001049822	0.026338449	0.013696569	4.367938396	0.002049201	0.002022925		4.04E-05	3.57E-05	141712.9508	122930.9002	407.257403	8889369			
Orange (SC)	2022 Industrial - Aerial Lifts	Aggregate	100 Diesel	0.002828774	0.003424371	0.004076064	0.018972703	0.051465968	11.82180452	0.004619214	0.004		0.000142	0.000125	500414.5777	469723.2161	1355.406631	31688943			
Orange (SC)	2022 Industrial - Aerial Lifts	Aggregate	175 Diesel	5.41E-05	6.54E-05	7.79E-05	0.002040116	0.000513936	0.377742395	1.94E-05	1.79E-05		3.49E-06	3.08E-06	12255.43601	5894.689864	19.50802415	769060.9			
Orange (SC)	2022 Industrial - Aerial Lifts	Aggregate	300 Diesel	2.63E-06	3.18E-06	3.79E-06	4.06E-05	2.91E-05	0.022373046	1.88E-06	1.67E-06		2.09E-07	1.84E-07	732.3577005	1.9.4E-07	732.3577005	45956.65			
Orange (SC)	2022 Industrial - Aerial Lifts	Aggregate	600 Diesel	1.50E-06	1.82E-06	2.16E-06	2.88E-05	7.94E-06	0.016030136	2.74E-07	2.52E-07		1.48E-07	1.31E-07	520.0801061	66.60383586	0.219191283	32635.88			
Orange (SC)	2022 Industrial - Forklifts	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 Industrial - Forklifts	Aggregate	50 Diesel	0.002880235	0.003485144	0.00414761	0.022513681	0.017489984	2.38405323	0.001094154	0.001006621		2.20E-05	1.95E-05	77347.98149	157662.7343	215.3161954	6684689			
Orange (SC)	2022 Industrial - Forklifts	Aggregate	75 Diesel	0.000543988	0.000658226	0.000783443	0.002191829	0.005159156	0.216536185	0.000417482	0.000384083		1.99E-06	1.77E-06	7025.27805	9312.06387	19.39625231	682194.9			
Orange (SC)	2022 Industrial - Forklifts	Aggregate	100 Diesel	0.015737197	0.019038857	0.022636403	0.197853107	0.177621873	29.49402731	0.011689058	0.010759394		0.000263008	0.000232595	924552.951	1080378.292	1417.349997	89068963			
Orange (SC)	2022 Industrial - Forklifts	Aggregate	175 Diesel	0.003688213	0.004704738	0.005599027	0.054995044	0.042788697	7.075996514	0.002788299	0.002710535		8.38E-05	7.41E-05	294460.7115	200502.5481	267.6326924	28342062			
Orange (SC)	2022 Industrial - Forklifts	Aggregate	300 Diesel	0.000728057	0.000888889	0.001046833	0.009499113	0.008600933	1.579491124	0.000593857	0.000540387		1.81E-05	1.61E-05	64100.03975	29363.18794	33.84939393	3186316			
Orange (SC)	2022 Industrial - Forklifts	Aggregate	600 Diesel	0.000180347	0.000221822	0.000259699	0.001164876	0.001189943	0.497757413	7.08E-05	6.51E-05

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	Equipment Type	Horsepower HP	Gasoline				Diesel				Natural Gas			
			Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	1686457.5	1153.23	557479.3	0.30215931	8077.45	18.18	14764.25	0.547059175	0	0	0	0
Air Compressors50	Air Compressors	50	51490.55	47.8	23093.55	2.229650703	91104	109.62	8923.5	1.020942406	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	281093.8	154.96	74905.3	3.752655687	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	34488.85	10.41	5044.3	6.837324775	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	34419.9	106.05	39799.6	0.864820249	29127	158.77	63411.45	0.459333448	53282.1	120.13	49088.45	1.18179725
Aerial Lifts50	Aerial Lifts	50	72518.2	126.84	45749.1	1.585128451	118626.9208	473.9772312	145069.3401	0.817590392	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	89153.05165	262.8216181	80016.54505	1.114162719	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	130337.85	126.84	45749.1	2.848970789	117830.8899	311.3621075	95363.1081	1.235655409	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	12650.3932	19.90749107	6084.658838	2.079063769	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	755.9594607	0.672089029	205.2508538	3.683424855	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	536.840781	0.223679675	68.7502845	7.808503805	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	4305.4	26.93	3347.05	1.30425299	3573.195	6.64	5372.8	0.665081522	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	689.85	2.49	266.45	2.589041098	3070.220791	7.426357912	2674.137144	1.14811643	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	4507.624222	5.081192256	2463.313428	1.829910819	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	7880.35	11.5	1233.7	6.387573964	14606.3589	17.58874242	6701.014631	2.179722237	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	2748.45	2.85	306.6	8.964285714	22425.0372	17.90143118	5732.345598	3.912017658	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	300	0	0	0	0	37205.95866	18.4486365	6040.632376	5.414983496	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	51873.93158	14.77454364	4991.933432	10.39155115	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	30619.62977	3.126887542	1820.906288	16.81559887	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	16703.67538	0.469033133	346.0433594	48.27064231	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	143744.1	4061.27	373957.2	0.38438741	9159.65	92.28	27092.55	0.338413616	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	128969.1	571.83	162454.2	0.793879753	282	0.66	190.55	0.747663551	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	15771.65	9.18	5701.1	2.766325254	4650.1	5.78	1668.95	1.38028486	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	51873.93158	14.77454364	4991.933432	10.39155115	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	15388.4	5.35	3266.75	4.710614525	30619.62977	3.126887542	1820.906288	16.81559887	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	16703.67538	0.469033133	346.0433594	48.27064231	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	59.07929084	0.294533434	142.7119459	0.413975854	0	0	0	0
Cranes50	Cranes	50	2202.2	2.85	1185.25	1.932307692	957.1833664	3.141689966	1388.208152	0.689508444	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	366.6490116	0.981778114	364.3805895	1.006225445	0	0	0	0
Cranes100	Cranes	100	7821.95	5.67	2361.55	3.312210201	2163.02282	36.81667929	16530.69514	1.30748493	0	0	0	0
Cranes175	Cranes	175	496.4	0.22	102.2	4.857142857	66266.15439	65.77913306	30397.53103	2.179984758	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	113655.0369	72.74975823	34674.692	3.277751893	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	20322.42888	12.94611389	6097.33275	5.471002485	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	3472.105572	0.883600303	365.7419027	9.493485834	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	11000.5233	1.578844983	787.5249034	13.96847677	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	3100.168677	8.713549131	3007.940406	1.030631382	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	470.794341	1.481302975	309.1004869	1.55222772	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	136473.0827	148.217433	70213.43416	1.943683044	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	149451.1389	98.37594962	45115.38078	3.312642496	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	156487.2998	76.1564	34402.8842	4.548668039	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	548151.8293	133.4955385	64085.15752	8.552158076	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	5598.31971	0.958849108	407.0662119	13.74793473	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	31733.58429	2.814066073	1464.048918	21.67523919	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	1923.55	6.75	1056.4	0.983208955	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	6077.25	3.29	799.35	7.602719726	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	13746.9	270.66	40372.65	0.340475545	912.5	3.97	2638.95	0.345781466	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	646.05	2.04	259.15	2.492957746	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	6447.844897	6.391929129	8633.015442	0.746882249	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	123952.6534	213.0356884	157678.835	0.786108379	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	1615.310551	1.746194151	1137.887878	1.419558172	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	159133.4489	151.8315814	99448.01081	1.600167252	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	339633.1043	196.7887711	117693.7638	2.885735772	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	432365.9488	169.2935229	100579.9578	4.320205386	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	770641.8679	178.1118034	115489.5159	6.672823965	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	8020.126427	1.222135905	644.4567562	12.44478801	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	21406.7394	1.309645613	899.0918369	23.80923942	0	0	0	0
Forklifts25	Forklifts	25	1500.15	2.43	1260.2	0.685	16.49337552	0.202183848	63.10900103	0.578259494	1412.55	1.31	1441.75	0.979746835
Forklifts50	Forklifts	50	12117702	423.46	761276.85	1.591761	83543.26062	231.6611361	166170.8106	0.502755329	1877315.45	780.59	140621.14	1.335014433
Forklifts75	Forklifts	75	0	0	0	0	7024.916105	20.30235417	9230.406262	0.761062487	0	0	0	0
Forklifts100	Forklifts	100	5631550.8	1498.17	2676610.7	2.103987626	1236666.862	1933.602457	1254788.31	0.98316746	11748682.05	2739.46	4935373.05	2.380505373
Forklifts175	Forklifts	175	3944462.8	54.76	97809.05	4.032988767	363851.9804	355.3414056	229968.9044	1.582179044	881785.25	100.25	180612.95	4.882181759
Forklifts300	Forklifts	300	0	0	0	0	70688.02947	43.99572007	31136.18128	2.259393888	0	0	0	0
Forklifts600	Forklifts	600	0	0	0	0	18391.92441	6.983219562	4720.937856	3.895820062	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	2886.782898	0.101143927	72.98815035	12.98353574	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	1323.948282	0.181591105	144.7804768	9.144522178	0	0	0	0
Generator Sets25	Generator Sets	25	2441773.35	30290.77	3480362.8	0.701585987	2116585.4	1031.34	348147.95	0.608032876	0	0	0	0
Generator Sets50	Generator Sets	50	4606692.6	1572.85	180602.1	2.217542467	250955.75	512.05	179516.5	1.397175371	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	1810254	308.7	34868.45	5.191667539	0	0	0	0	16235.4	22.61	2587.85	6.271624829
Generator Sets175	Generator Sets	175	295597.85	28.75	3292.3	8.990022173	0	0	0	0	23480.45	18.79	2157.33	10.88496078
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	23.81317	0.175475647	40.35200177	0.587673523	0	0	0	0
Graders50	Graders	50	0	0	0	0	797.7667118	2.544595424	907.2510002	0.879323047	0	0	0	0
Graders75	Graders	75	0	0	0	0	296.4488133	0.52624564	193.027814	1.53574144	0	0	0	0
Graders100	Graders	100	0	0	0	0	19106.33323	26.49680754	10200.70976	1.881854477	0	0	0	0
Graders175	Graders	175	0	0	0	0	208427.6545	137.397359	85421.62746	3.155342698	0	0	0	0
Graders300	Graders	300	0	0	0	0	428112.239	122.8328823	94153.87841	4.546942157	0	0	0	0
Graders600	Graders	600	0	0	0	0	27857.72989	6.825577519	3927.061662	7.042853975	0	0	0	0
Graders750	Graders	750	0	0	0	0	0	0	0	0	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	14845.6105	0.52642664	388.2859915	38.23370302	0	0	0	0
Pavers25	Pavers	25	11760.2	26.97	10449.95	1.125392944	1713.75	2.48	2044	0.848214286	0	0	0	0
Pavers50	Pavers	50	7387.6	8.06	3182.8	2.321100917	3395.963445	10.22496859	3669.421936	0.926056702	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	4457.771193	8.435201518	2919.706396	1.526787489	0	0	0	0
Pavers100	Pavers	100	6624.75	4.46	1741.05	3.805031447	28336.85495	40.98315081	16358.36894	1.732176467	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	44886.38725	33.82502013	13207.30914	3.398604315	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	34838.47391	16.18877059	7364.146162	4.730823254	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	6608.190109	1.874489228	829.3619531	7.967784318	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	1315.079034	0.170408113	81.61709698	16.11278882	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment25	Paving Equipment	25	249565.1	2887.4	546215.2	0.456898859	2058.6	4.31	1577	0.575510204	0	0	0	0
Paving Equipment50	Paving Equipment	50	86310.35	22.09	3861.7	2.229678639	4237.119948	12.58992108	5999.874378	0.706201444	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	727.4936868	1.301072546	562.3305466	1.292172365	0	0	0	0
Paving Equipment100	Paving Equipment	100	3562.4	5.69	1007.4	3.536231884	17617.28773	23.05316631	10750.23363	1.638781848	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	18993.96818	15.31286518	7124.261058	2.666096599	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	12805.83123	6.188002575	3020.185782	4.240088639	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	13816.07722	3.998159614	1891.474156	7.304390768	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	2616.302631	0.425335172	223.3242888	11.71526235	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	1242.394866	0.170134059	80.20801921	15.48965899	0	0	0	0
Rollers25	Rollers	25	581468.85	312.41	77792.45	0.747184226	37805.6679	142.1976429	98865.99411	0.382403495	0	0	0	0
Rollers50	Rollers	50	9581.25	5.67	3533.2	2.711776886	69777.12182	258.4589559	90516.12071	0.770883604	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	729.9040188	2.278715788	530.657568	1.375478699	0	0	0	0
Rollers100	Rollers	100	30061.4	10.69	6643	4.525247232	108329.9767	190.5356998	63950.32468	1.693970798	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	112754.8218	111.4817877	40445.91715	2.787793054	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	19064.30199	14.46308095	4520.61559	4.217191269	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	10540.2851	4.995646147	1535.160219	6.805905598	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	0	0	0	0	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	36.49337985	0.202183846	63.10900103	0.578259494	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	1554.9	1.34	470.85	1.30232558	3511.584564	11.53017923	3182.329815	1.104091898	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	96.90018444	0.303425789	71.21798826	1.379598059	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	34021.65	16.16	6694.1	5.082331997	278910.7979	487.4029203	139113.7412	2.004911902	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	1912.6	0.59	229.95	8.317460317	59001.65337	82.22383239	22911.80971	2.614441011	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	4485.056248	6.045078704	1024.703188	4.376863278	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	1666.62567	0.809135383	209.6621258	7.949102222	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	286.7823898	0.301141923	22.08815037	12.98535574	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	3078.683033	3.418742052	3284.645906	0.937295259	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	3307.833223	3.085208242	2324.52457	1.423009501	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	9982.282579	6.13718195	5563.695776	1.794261651	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	13439.18951	5.836876675	4640.377697	2.896141803	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	15133.94742	4.752885292	3385.427152	4.470321155	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	155624.8497	28.01700804	20564.90295	7.569497465	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	5771.279758	0.416919758	423.9371678	13.61352619	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Scrapers25	Scrapers	25	0	0	0	0	24.79312367	0.089193017	35.74611916	0.693581041	0	0	0	0
Scrapers50	Scrapers	50	0	0	0	0	197.3342402	0.5155981	186.7734726	1.056543216	0	0	0	0
Scrapers75	Scrapers	75	0	0	0	0	1712.519571	2.234258413	1015.586963	1.686236269	0	0	0	0
Scrapers100	Scrapers	100	0	0	0	0	8259.66349	6.271130217	3630.713465	2.274647753	0	0	0	0
Scrapers175	Scrapers	175	0	0	0	0	103941.4416	54.39559955	24772.00958	4.195914246	0	0	0	0
Scrapers300	Scrapers	300	0	0	0	0	126408.5661	55.68454948	22831.35715	5.543859303	0	0	0	0
Scrapers600	Scrapers	600	0	0	0	0	1546334.297	301.6248885	146508.7461	10.5545528	0	0	0	0
Scrapers750	Scrapers	750	0	0	0	0	23789.01645	4.1247848	1525.366341	15.59560862	0	0	0	0
Scrapers9999	Scrapers	9999	0	0	0	0	35736.61225	2.224258416	896.6318224	39.85553872	0	0	0	0
Skid Steer Loaders25	Skid Steer Loaders	25	190405.9	545.55	174185.3	1.093122689	1666042.5	317.97	2654207	0.627697852	0	0	0	0
Skid Steer Loaders50	Skid Steer Loaders	50	45988.1	77.65	24090	1.908381838	52785.69455	178.9543853	56998.31055	0.926220687	0	0	0	0
Skid Steer Loaders75	Skid Steer Loaders	75	0	0	0	0	280467.3992	577.2321417	208257.9819	1.346730568	0	0	0	0
Skid Steer Loaders100	Skid Steer Loaders	100	614872	46.46	14413.85	4.265880995	99.28955844	0.726016934	65.51177	1.614102795	0	0	0	0
Skid Steer Loaders175	Skid Steer Loaders	175	0	0	0	0	1896.151115	2.19552226	654.5814416	2.896738272	0	0	0	0
Skid Steer Loaders300	Skid Steer Loaders	300	0	0	0	0	1760.394526	1.508291793	450.3643342	3.908823126	0	0	0	0
Skid Steer Loaders600	Skid Steer Loaders	600	0	0	0	0	508.7449752	0.177496091	56.38525536	9.022661376	0	0	0	0
Skid Steer Loaders750	Skid Steer Loaders	750	0	0	0	0	0	0	0	0	0	0	0	0
Skid Steer Loaders9999	Skid Steer Loaders	9999	0	0	0	0	688.65481	0.177446093	36.08655717	19.08346307	0	0	0	0
Surfacing Equipment25	Surfacing Equipment	25	12184.65	779.36	333405.6	0.365442722	0	0	0	0	0	0	0	0
Surfacing Equipment50	Surfacing Equipment	50	0	0	0	0	489.19059	3.139115698	774.2715212	0.631807487	0	0	0	0
Surfacing Equipment75	Surfacing Equipment	75	0	0	0	0	310.9075498	1.207352159	297.8038912	1.044009149	0	0	0	0
Surfacing Equipment100	Surfacing Equipment	100	0	0	0	0	2960.157472	7.485583379	2118.20227	1.397485742	0	0	0	0
Surfacing Equipment175	Surfacing Equipment	175	0	0	0	0	2544.161986	4.748314485	1185.648487	2.138893496	0	0	0	0
Surfacing Equipment300	Surfacing Equipment	300	0	0	0	0	4943.212707	5.634310066	1398.897051	3.533650102	0	0	0	0
Surfacing Equipment600	Surfacing Equipment	600	0	0	0	0	17417.29383	9.578327113	2734.085276	6.370428104	0	0	0	0
Surfacing Equipment750	Surfacing Equipment	750	0	0	0

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Orange (SC)	2023 ConstMin - Paving Equipment	Aggregate	100 Diesel	0.000209903	0.000253982	0.00030226	0.003544842	0.002853604	0.543007728	0.000312383	0.000121792	5.01E-06	4.43E-06	17617.28773	10750.23363	23.05316631	9576558.7
Orange (SC)	2023 ConstMin - Paving Equipment	Aggregate	175 Diesel	0.000210033	0.000254139	0.000302447	0.003450186	0.002345052	0.585403978	0.000122254	0.000112474	5.41E-06	4.78E-06	18999.96818	7124.261059	15.31206618	1038542
Orange (SC)	2023 ConstMin - Paving Equipment	Aggregate	300 Diesel	0.000111638	0.000133478	0.00016361	0.003846207	0.00140958	0.934706917	5.73E-05	5.27E-05	3.65E-06	3.22E-06	12805.83123	3020.185782	6.380027575	697086.2
Orange (SC)	2023 ConstMin - Paving Equipment	Aggregate	600 Diesel	9.09E-05	0.000108947	0.000130846	0.00082131	0.000291536	0.429845175	3.61E-05	3.32E-05	3.93E-06	3.48E-06	13816.07773	1891.474159	3.998150614	753281.4
Orange (SC)	2023 ConstMin - Paving Equipment	Aggregate	750 Diesel	1.57E-05	1.90E-05	2.26E-05	0.000150869	0.000168991	0.080604821	6.63E-06	4.26E-06	7.45E-07	6.58E-07	2616.302833	223.3242888	0.425335172	142292.2
Orange (SC)	2023 ConstMin - Paving Equipment	Aggregate	9999 Diesel	6.38E-06	7.72E-06	9.18E-06	7.21E-05	0.000107666	0.038293637	2.84E-06	2.61E-06	1.54E-07	3.13E-07	124.3948866	80.28801921	0.170134069	67616.54
Orange (SC)	2023 ConstMin - Rollers	Aggregate	175 Diesel	2.50E-06	2.30E-06	2.74E-06	6.34E-06	4.39E-06	0.000336498	6.00E-07	5.52E-07	3.05E-09	2.75E-09	10.91729861	20.25419028	0.087642765	5063.527
Orange (SC)	2023 ConstMin - Rollers	Aggregate	50 Diesel	0.001994702	0.00241359	0.002872372	0.011544211	0.014334754	2.150700891	0.000729336	0.000711101	1.98E-05	1.76E-05	69777.12182	90516.12071	258.4589559	3234394
Orange (SC)	2023 ConstMin - Rollers	Aggregate	75 Diesel	6.54E-05	7.92E-05	9.42E-05	0.000269847	0.000833386	0.02249742	4.53E-05	4.17E-05	2.06E-07	1.84E-07	729.9040188	530.6576663	2.278715786	37617.96
Orange (SC)	2023 ConstMin - Rollers	Aggregate	100 Diesel	0.001436951	0.00173871	0.002069209	0.021664507	0.018402572	3.338993804	0.00100238	0.000922319	3.08E-05	2.73E-05	108129.9767	63950.32463	190.5356969	5580644
Orange (SC)	2023 ConstMin - Rollers	Aggregate	175 Diesel	0.000815625	0.000988007	0.001174501	0.010154717	0.010139177	1.871737831	0.000445428	0.000409794	1.21E-05	1.08E-05	42754.82148	40445.93717	111.4817867	5813006
Orange (SC)	2023 ConstMin - Rollers	Aggregate	300 Diesel	0.000204425	0.000247354	0.000294372	0.001741479	0.002824998	0.587608233	0.000107642	9.90E-05	5.43E-06	4.80E-06	19064.30199	4520.61592	14.46180895	982352.9
Orange (SC)	2023 ConstMin - Rollers	Aggregate	600 Diesel	7.24E-05	8.76E-05	0.000104285	0.000657844	0.000931354	0.324076649	3.17E-05	2.92E-05	3.02E-06	2.65E-06	10540.2651	1535.160213	4.995684147	340961.4
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	25 Diesel	6.30E-07	7.63E-07	9.07E-07	7.76E-06	9.59E-06	0.001124812	5.40E-07	4.97E-07	1.04E-08	9.18E-09	36.49137605	21.78900227	0.002828346	1577.725
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	50 Diesel	0.000105719	0.00012792	0.000152236	0.000761175	0.000708689	0.108297236	3.74E-05	3.44E-05	9.98E-07	8.84E-07	3513.586564	3182.329813	11.53017921	151960.2
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	75 Diesel	8.31E-06	1.01E-05	1.20E-05	8.27E-05	0.000128676	0.012078867	5.16E-06	4.75E-06	2.64E-08	2.34E-08	92.90013199	70.23798082	0.301425769	4656.606
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	100 Diesel	0.001479989	0.002032787	0.002419185	0.052132133	0.029863668	8.595710278	0.000731642	0.000673111	7.94E-05	7.02E-05	278910.7974	139113.7422	487.4029263	13399965
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	175 Diesel	0.0006602	0.000798842	0.000950688	0.021284007	0.008577138	3.844148894	0.000458687	0.000421958	1.71E-05	1.51E-05	59965.65337	22911.83971	82.22383814	8851580
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	300 Diesel	2.44E-05	2.96E-05	3.52E-05	0.000258157	0.000373789	0.118238819	8.75E-06	8.05E-06	1.28E-06	1.13E-06	4485.006248	1024.703188	4.045676914	215559
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	600 Diesel	5.80E-06	7.02E-06	8.35E-06	9.25E-05	5.79E-05	0.051169464	8.82E-07	8.12E-07	4.75E-07	4.19E-07	1656.42567	209.6621258	0.803913588	80794.33
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	750 Diesel	1.56E-06	1.88E-06	2.24E-06	1.64E-05	2.25E-05	0.002833329	1.60E-07	4.17E-07	8.17E-08	7.21E-08	286.7822868	22.88515037	0.101415923	13805.09
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	50 Diesel	7.12E-05	8.62E-05	0.000102591	0.000784551	0.000550163	0.094892512	2.31E-05	2.13E-05	8.75E-07	7.75E-07	3078.683033	3284.645905	3.418742052	135429.3
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	75 Diesel	0.000315847	0.000164374	0.000195619	0.000862797	0.00113893	0.101955516	9.80E-05	9.02E-05	9.39E-07	8.32E-07	3307.818223	2324.52457	3.085206242	161321.7
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	100 Diesel	0.000300706	0.000363854	0.000431816	0.002419789	0.003068888	0.289431538	0.000306888	0.000281123	2.75E-06	2.44E-06	9682.282574	6317.818099	9.037180399	470078.3
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	175 Diesel	0.000411022	0.000497336	0.000591871	0.003007525	0.004500836	0.414228562	0.000286182	0.000263288	3.82E-06	3.38E-06	13439.18851	4640.377697	5.836876675	6569555.9
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	300 Diesel	0.000329923	0.000399206	0.000475089	0.002115564	0.004350034	0.48664513	0.000339432	0.000312078	4.32E-06	3.81E-06	15133.94742	3385.427332	4.752885292	738872.5
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	600 Diesel	0.000311202	0.000408287	0.000497753	0.002285844	0.004219063	0.479577013	0.000318266	0.000292809	4.42E-05	3.92E-05	155624.8697	20564.90285	28.01780804	7479564
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	750 Diesel	6.12E-05	7.41E-05	8.81E-05	0.000363556	0.000965905	0.177884904	2.73E-05	2.51E-05	1.64E-06	1.45E-06	5771.279791	423.9371676	0.416919762	282272.8
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	9999 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	50 Diesel	0.000421857	0.000518086	0.000616565	0.00299536	0.002270022	0.29573183	0.000149874	0.000137884	2.72E-06	2.41E-06	9594.693518	31087.34623	12.77586743	4604216
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	75 Diesel	4.76E-05	5.76E-05	6.85E-05	0.000188215	0.000351876	0.021915859	3.33E-06	3.06E-06	1.57E-07	1.39E-07	624.4737756	479.1287551	0.880611443	32857.24
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	100 Diesel	0.004650866	0.005627547	0.006697247	0.052987413	0.048052059	7.242527706	0.003252776	0.002992554	6.68E-05	5.91E-05	234975.8352	147451.1401	158.1786443	12674078
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	175 Diesel	0.007353183	0.008897519	0.010588782	0.108092865	0.072546942	17.25712833	0.003886018	0.003584613	0.000159443	0.000140932	560212.5617	300237.4488	210.4992729	30025205
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	300 Diesel	0.008147971	0.009860154	0.011733878	0.056759473	0.096010886	24.95110931	0.003217374	0.002843144	0.000239841	0.000211988	842611.2228	208094.1557	193.0309229	43373326
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	600 Diesel	0.011446813	0.013850644	0.016483411	0.083572535	0.123091861	32.39081231	0.004552166	0.004018802	0.000299126	0.000264369	1050884.231	170834.9523	131.3012318	56374947
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	750 Diesel	0.000899108	0.001088053	0.001294845	0.006573653	0.009599147	2.537529671	0.000356397	0.000314914	2.84E-05	2.51E-05	99757.11053	8304.462888	8.256577589	5369444
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	9999 Diesel	0.000719408	0.000870481	0.001035945	0.004877636	0.015718738	2.235940935	0.000325382	0.000290951	2.67E-05	2.37E-05	1.82E-05	72542.64117	4043.01902	3.38954237	1871207
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	25 Diesel	1.65E-07	2.20E-07	2.38E-07	4.23E-06	1.72E-06	0.000745184	1.36E-08	1.25E-08	7.06E-09	6.24E-09	24.79122857	0.000653	35.74619104	0.653
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	50 Diesel	2.95E-05	3.57E-05	4.25E-05	0.000100555	7.10E-05	0.026082322	9.93E-06	9.14E-06	5.53E-08	4.90E-08	197.3342492	186.7734726	0.5155981	7233.724
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	75 Diesel	7.30E-05	8.83E-05	0.000105072	0.000422986	0.000681675	0.052784625	5.80E-05	5.33E-05	4.86E-07	4.31E-07	1712.515571	1015.589863	2.234258433	88328.65
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	100 Diesel	0.000219375	0.000265875	0.000316611	0.001239192	0.002731845	0.154581566	0.000201026	0.000184943	2.35E-06	2.08E-06	8259.68344	3630.713465	6.271101217	328855.1
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	175 Diesel	0.000729492	0.000902685	0.001049668	0.020300175	0.020055439	1.20372847	0.000153636	0.000969345	2.96E-05	2.61E-05	103941.4419	24772.06058	54.39559955	4138440
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	300 Diesel	0.000201409	0.000247357	0.000290268	0.001729554	0.002592268	0.152159484	0.000121567	0.000111853	1.60E-05	1.38E-05	52648.5663	22803.35717	15.68459948	5077771
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	600 Diesel	0.01761438	0.0211134	0.025364707	0.158641102	0.222602675	47.66179033	0.008537908	0.007854876	0.000440128	0.000388009	1546334.297	146508.7461	101.6248885	61816800
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	750 Diesel	0.000797588	0.000962921	0.001139888	0.008952014	0.008855376	0.011242609	0.001358159	3.33E-05	3.06E-05	2.69E-05	107.2453304	0.000549418	1.42478484	1.653
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	9999 Diesel	0.000786826	0.000952059	0.001133029	0.009427039	0.01334197	1.101489456	0.000477952	0.000439715	1.02E-05	8.99E-06	35736.61225	896.6318224	2.234258433	1431910
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	50 Diesel	0.000805362	0.000974488	0.001159722	0.01007584	0.009295346	1.626980932	0.000257251	0.000236671	1.50E-05	1.33E-05	527.8564695	56990.31053	178.9543851	2402708
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	75 Diesel	0.002066042	0.002499911	0.002975101	0.053389552	0.013260859	8.644682259	0.001122487	0.001032688	7.99E-05	7.06E-05	28046T.3902	30825T.9819	577.2321417	14716756
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	100 Diesel	8.21E-05	9.95E-06	1.18E-05	0.001178	8.29E-05	0.000360311	5.54E-06	5.12E-06	2.80E-08	2.50E-08	99.28905342	61.511177	0.266160554	5207.946
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	175 Diesel	1.17E-05	1.42E-05	1.69E-05	0.000317579	0.000137735	0.058443991	5.79E-06	5.32E-06	5.40E-07	4.77E-07	1896.151115	654.5814419	2.39552226	997816
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	300 Diesel	8.64E-06	1.04E-05	1.24E-05	0.000102382	0.000120305	0.054259644	3.69E-06	3.40E-06	5.01E-07	4.43E-07	1760.394626	450.3643582	1.508230178	92396.66
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	600 Diesel	3.99E-06	4.83E-06	5.75E-06	2.95E-05	6.18E-05	0.01568076	2.69E-06	2.47E-06	1.45E-07	1.28E-07	508.7449752	56.38524558	0.177446093	26658.94
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	9999 Diesel	2.34E-06	2.84E-06	3.38E-06	3.80E-05	9.16E-05	0.02122607	1.24E-06	1.14E-06	1.96E-07	1.73E-07	688.656481	36.08655717	0.177446093	36086.56
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	50 Diesel	9.08E-06	1.10E-05	1.31E-05	9.64E-05	9.87E-05	0.015078044	3.91E-06	3.60E-06	1.39E-07	1.23E-07	489.1905439	774.2715212	3.139115608	28015.04
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	75 Diesel	9.12E-06	1.10E-05	1.31E-05	0.000142605	0.000342924	0.007554204	7.75E-06	7.13E-06	8.83E-08	7.82E-08	310.9075408	297.8038912	1.207455157	9389.5
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	100 Diesel	2.13E-05	2.57E-05	3.06E-05	0.000559305	0.000359337	0.091239265	1.28E-05	1.18E-05	8.43E-07	7.45E-07	2960.157672	2118.20227	7.485583374	188986.5
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	175 Diesel	4.08E-05	4.94E-05	5.88E-05	0.000466027	0.000484913	0.078415414	2.81E-05	2.58E-05	7.24E-07	6.40E-07	2544.101746	1189.448667	3.748918403	142029.6
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	300 Diesel	4.89E-05	5.92E-05	7.05E-05	0.00038844	0.000793862	0.152361859	2.68E-05	2.47E-05	1.41E-06	1.24E-06	4943.212707	1398.897051	5.634310066	316511.4
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	600 Diesel	9.56E-05	0.000115683	0.000137675	0.000384714	0.001215006	0.519834244	4.71E-05	4.34E-05	4.96E-06	4.38E-06	17417.20568	2734.085274	9.578327113	1139069
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	750 Diesel	3.82E-05	4.62E-05	5.49E-05	0.000143858	0.000505029	0.222689151	1.81E-05	1.67E-05	2.12E-06	1.87E-06	7452.015463	743.8586939	2.414704104	478521.1
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	9999 Diesel	1.72E-05	2.08E-05	2.48E-05	0.000177233	0.000470316	0.082996345	8.89E-06	8.18E-06	7.67E-07	6.77E-07	2692.725009	197.1718468	0.724411294	172650.2
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	50 Diesel	0.001058998	0.001281387	0.001524957	0.008390352	0.006966451	0.991818831	0.000419355	0.000385807	9.14E-06	8.10E-06	32178.46968	34473.63671	48.20511136	1227631
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	75 Diesel	0.000256101	0.000309883	0.000368783	0.003683572	0.001683219	0.240279577	0.000103687	0.000207468	1.91E-06	1.69E-06	6713.981751	3948.322051	11.64776847	2867717.6
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	100 Diesel	0.000581415	0.000703513	0.000837238	0.009017344	0.00710568	1.12533111	0.000398188	0.000366333	1.22E-05	1.08E-05	42998.90826	23147.76557	32.07986172	1823941
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	175 Diesel	0.000174479	0.00021112	0.00025125	0.002328626	0.001884683	0.382361721	9.09E-05	8.37E-05	3.53E-06	3.12E-06	12405.18084	3292.740077	4.521895402	526286.3
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	300 Diesel	6.55E-05	7.92E-05	9.43E-05	0.000670511	0.000864006	0.222622683	2.77E-05	2.55E-05	1.21E-06	1.08E-06	4296.948103	1007.167973	3.073722966	210677.6
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	600 Diesel	3.26E-06	3.94E-06	4.69E-06	5.65E-05	1.55E-05	0.031010835	5.44E-07	5.00E-07	2.87E-07	2.53E-07	1006.112378	129.3435623	0.170637562	42683.38
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	9999 Diesel	1.13E-06	1.37E-06	1.63E-06	1.80E-05	0.000179201	0.039844124	1.33E-06	1.22E-06	1.68E-07	1.48E-07	591.2252964	64.67178115	0.185318781	54841.67
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	50 Diesel	0.002863279	0.003446557	0.004112212	0.025841446	0.022152998	3.208104703	0.001030503	0.000947675	2.62E-05	2.32E-05	1040814.242	130970.3394	250.4521703	6952531
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	75 Diesel	0.001194037	0.001444785	0.001719413	0.004823846	0.011325477	0.482678231	0.000921295	0.000847592	4.43E-06	3.94E-06	15659.96362	11417.49317	49.30505717	820437.6
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	100 Diesel	0.018027694	0.02181351	0.025959981	0.138643982	0.214469478	51.35243189	0.013728211	0.009860954	0.000473237	0.000419131	1666070.178	1040181.582	1651.239853	87104925
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	175 Diesel	0.002604186	0.003151065	0.003750027	0.052653508	0.026020514	8.971582965	0.001309129	0.001194198	8.29E-05	7.32E-05	291073.1289	106817.5407	74.98018403	4240926
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	300 Diesel	0.001587059	0.001920342	0.002285366	0.013085805	0.018899707	5.630084842	0.000887351	0.000813261	5.20E-05	4.60E-05	182661.9023	46102.35113	81.76783597	9604498
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	600 Diesel	0.000776148	0.000939189	0.001117653	0.006197659	0.013779798	2.738854157	0.000433966	0.000397751	6.84E-05	6.04E-05	240046.0642	22423.17291	67.30722077	13052501
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	750 Diesel	5.05E-05	6.12E-05	7.28E-05	0.000622394	0.000544881	0.11990922	2.26E-05	2.08E-05	1.11E-06	9.79E-07	3890.322598	312.587025	0.698124533	207358.3
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	9999 Diesel	0.000653507	0.000792921	0.000943642	0.004891293	0.014861144	2.515548808	0.000281167	0.000258187	2.31E-05	2.04E-05	8161.649535	2312.740947	4.165153488	1560975
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	50 Diesel	0.001024501	0.001239646	0.001475281	0.008310665	0.007948197	1.139078577	0.000420447	0.000390951	1.05E-05	9.28E-06	36956.14998	32004.33056	82.12565331	1276249
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	75 Diesel	9.53E-05	0.000115291	0.000137205	0.000570851	0.000956259	0.068184627	6.62E-05	6.09E-05	2.68E-07	2.32E-07	1212.175128	1213.690314	4.479580108	85187.79
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	100 Diesel	0.000550066	0.00066558	0.000792095	0.005194237	0.006306112	0.743200757	0.000439971	0.000407773	6.85E-06	6.07E-06	24112.33007	11072.35014	33.22355247	925697.1
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	175 Diesel	0.000178148	0.000215577	0.000256599	0.001681218	0.002184776	0.183505646	0.000142328	0.000131966	1.69E-06	1.50E-06	5955.302953	1660.6932	5.412825654	230946.8
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	300 Diesel	0.000108544	0.000224383	0.000267034	0.001116099	0.002534792	0.378953614	0.000106014	9.75E-05	5.50E-06	3.09E-06	12294.73265	2095.570426	6.719370162	471366.6
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	600 Diesel	0.000104678	0.00019955	0.000237421	0.001827913	0.003197159	0.457396888	8.13E-05	7.48E-05	1.05E-06	9.28E-07	3687.26015	1877.634653	1.031254715	72481.3
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	750 Diesel	1.59E-05	1.93E-05	2.29E-05	0.000329747	9.11E-05	0.185145866	1.11E-06	2.86E-06	1.71E-06	1.51E-06	6006.853735	356.8282067	0.746596685	230969.9
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	9999 Diesel	2.73E-05	3.30E-05	3.93E-05	0.000398846	0.000376861	0.014862475	1.76E-05	1.62E-05	1.37E-07	1.21E-07	482.1967759	21.56713247	0.093324586	18547.03
Orange (SC)	2023 ConstMin - Aerial Lifts	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 Industrial - Aerial Lifts	Aggregate	50 Diesel	0.000836367	0.001012004	0.001204369	0.019435507	0.018036419	3.656370707	0.000143829	0.000132322	3.38E-05	2.98E-05	11862E.9208	145093.9401	473.9772312	6693082
Orange (SC)	2023 Industrial - Aerial Lifts	Aggregate	75 Diesel	0.000468167	0.000566012	0.000674206	0.010403005	0.008811224	2.574074252	0.000195987	0.000180172	1.54E-05	1.36E-05	8915.051627	2623.823161	8.601654353	5593035
Orange (SC)	2023 Industrial - Aerial Lifts	Aggregate	100 Diesel	0.000535155	0.000647538	0.000770824	0.021894705	0.009891553	3.632002156	0.000127233	0.000117054	3.36E-05	2.96E-05	11783E.894	95363.1061	311.3623075	7390697
Orange (SC)	2023 Industrial - Aerial Lifts	Aggregate	175 Diesel	5.10E-05	6.28E-05	7.48E-05	0.002247359	0.000942121	0.388915938	1.79E-05	1.64E-05	3.60E-06	3.19E-06	1260.80192	6084.658828	19.87983017	98284.9
Orange (SC)	2023 Industrial - Aerial Lifts	Aggregate	300 Diesel	2.83E-06	3.43E-06	4.08E-06	4.25E-05	3.01E-05	0.023300513	4.05E-07	3.72E-07	2.15E-07	1.90E-07	755.9594671	206.2508535	0.670139025	47417.7
Orange (SC)	2023 Industrial - Aerial Lifts	Aggregate	600 Diesel	1.62E-06	1.96E-06	2.33E-06	2.99E-05	8.23E-06	0.016546746	2.86E-07	2.63E-07	1.53E-07	1.35E-07	536.840781	68.75020846	0.223679675	33687.64
Orange (SC)	2023 Industrial - Forklifts	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 Industrial - Forklifts	Aggregate	50 Diesel	0.002650894	0.003207582	0.003817287	0.021623844	0.01738395	2.460884158	0.000970426	0.000892792	2.27E-05	2.01E-05	79840.68282	162743.7474	219.7252374	6902724
Orange (SC)	2023 Industrial - Forklifts	Aggregate	75 Diesel	0.000545913	0.000659418	0.000785725	0.022010445	0.005216124	0.221698824	0.000415018	0.000381945	1.95E-05	1.74E-05	68973.54787	91405.05465	139.9752158	5539035
Orange (SC)	2023 Industrial - Forklifts	Aggregate	100 Diesel	0.014602465	0.017668983	0.02102755	0.230685016	0.166405287	29.42753765	0.010186424	0.009371878	0.000271634	0.000240184	954744.2004	1115667.864	1646.191562	91972162
Orange (SC)	2023 Industrial - Forklifts	Aggregate	175 Diesel	0.003550758	0.004344817	0.005170931	0.056459171	0.037694928	9.368497584	0.001974485	0.001816526	8.65E-05	7.46E-05	305950.7327	207057.8647	271.1382224	22594640
Orange (SC)	2023 Industrial - Forklifts	Aggregate	300 Diesel	0.000635213	0.000776808	0.000914707	0.00472748	0.006782137	2.040538463	0.000257888	0.000237249	1.88E-05	1.67E-05	66203.02318	30309.4781	39.95504316	6363606
Orange (SC)	2023 Industrial - Forklifts	Aggregate	600 Diesel	0.000192225	0.000232592	0.000276804	0.001213179	0.00190212	0.515514455	7.39E-05

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	Equipment Type	Horsepower HP	Gasoline				Diesel				Natural Gas			
			Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	169276.05	1158.91	560242.15	0.30214809	8135.85	18.24	1484.03	0.548204824	0	0	0	0
Air Compressors50	Air Compressors	50	91892.05	48.03	23210.35	2.235728888	91498.2	110.17	89662.25	1.020476287	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	282542.85	155.71	75266.65	5.753891664	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	34660.4	10.48	5058.9	5.851370851	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	34583.79	106.57	39993.05	0.864749399	29265.7	159.55	6373.85	0.459259864	53782.75	121.29	45519.15	1.181541176
Aerial Lifts50	Aerial Lifts	50	72901.45	127.24	45979.05	1.585536239	122330.565	483.3519432	149623.2698	0.817590392	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	93616.84123	271.0402419	84076.46352	1.113717692	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	110994.85	127.24	45979.05	2.849011689	119815.5255	312.5022002	96780.70397	1.238010477	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	13045.35039	20.30123782	6274.527412	2.079063769	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	779.5612338	0.684111787	212.6803994	3.665242855	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	553.6014559	0.228103796	70.89673314	7.808560865	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	4394.6	27.07	3350.7	1.311546641	3617.15	6.72	5453.1	0.663318944	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	689.85	2.5	266.45	2.589041098	2989.470365	7.179406083	2614.484433	1.14342634	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	3676.284468	4.005152868	1982.58594	1.854287679	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	7876.7	11.48	1224.4	6.422010048	15089.15616	17.91072886	6976.491392	2.151390339	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	2748.45	2.85	306.6	8.964285714	21890.54793	17.30014773	5603.021692	3.906931889	0	0	0	0
Bore/Drill rigs300	Bore/Drill rigs	300	0	0	0	0	31884.22339	17.83515611	5805.415984	5.493196446	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	4913.1.88103	14.13208408	4775.354758	10.28863478	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	31793.34048	3.174053218	1902.84805	16.70860712	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	16328.66618	0.453436174	338.2859846	48.26825186	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	144324.65	4081.37	375807.65	0.384038617	927.45	93.49	28072.15	0.330186169	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	120598.5	574.48	163253.55	0.791838174	102.95	0.67	197.85	0.76144789	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	15771.65	9.19	5701.3	2.766325239	4703.2	5.88	3420.05	1.374599787	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	15388.4	5.35	3266.75	4.710614525	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	57.75554616	0.284739189	139.5142938	0.413975854	0	0	0	0
Cranes50	Cranes	50	2295.87	2.85	1193.55	1.923547401	935.7444377	3.037218017	1357.103667	0.689508449	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	359.0845513	0.949310363	356.8835561	1.006172796	0	0	0	0
Cranes100	Cranes	100	7825.6	5.7	2361.55	3.313775796	22527.27172	37.39574684	17096.48701	1.317559769	0	0	0	0
Cranes175	Cranes	175	503.7	0.21	91.25	5.52	63388.87899	61.76840404	28778.0947	2.202678101	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	110052.0183	69.76110133	33651.22474	3.270371856	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	19723.5823	5.788988421	3602.672986	5.460753457	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	3385.94245	0.854217567	356.5488513	9.496413491	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	10766.58719	1.518609699	769.657553	13.99281682	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	3026.63667	8.423791643	2940.641909	1.029243466	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	742.9364151	2.10594791	470.2300999	1.579748707	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	13164.6775	142.6147925	68473.56924	1.944751515	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	14616.867	95.15460756	44305.19931	3.152903718	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	152211.9696	72.80579769	33499.95084	4.543647548	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	53630?.4457	129.8106292	62804.00455	8.539182883	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	5307.37696	0.926617308	385.8186755	13.75548318	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	31064.46512	2.527137492	1431.246944	21.70456868	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	1930.85	6.82	1971	0.979622963	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	6066.1	3.31	799.35	7.589041096	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	13804.9	270	42058.8	0.340352772	927.1	4.03	2668.15	0.34746912	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	649.7	2.06	266.45	2.438356164	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	6512.836317	6.388812722	8718.162898	0.747042283	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	121316.7654	206.0359287	154175.8118	0.786873882	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	2276.082319	2.701003546	1577.709077	1.442653692	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	154945.2007	145.7887851	96755.81201	1.601405088	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	332131.2985	190.1675389	115057.7624	2.886648337	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	42171.8462	163.8127465	97985.45403	4.321126916	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	751269.2175	171.8513506	112714.727	6.665226784	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	9386.701883	1.392503779	769.8675366	12.19282574	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	20927.35561	1.296095412	879.143725	23.80424861	0	0	0	0
Forklifts25	Forklifts	25	1500.15	2.44	2197.2	0.682726251	35.67569602	0.195572715	61.03495945	0.578259404	1427.15	1.36	1452.9	0.982412109
Forklifts50	Forklifts	50	1218705.8	425.25	765040	1.592996183	85861.34972	235.0371532	171054.9583	0.501659527	1895134.75	787.97	1419561.65	1.335014605
Forklifts75	Forklifts	75	0	0	0	0	5630.076285	16.82963197	7310.210702	0.769804727	0	0	0	0
Forklifts100	Forklifts	100	56608986.15	1505.49	2689787.2	2.104589596	126037.9	1053.474132	128954.178	0.977393876	11860168	2765.5	4982217.15	2.380499213
Forklifts175	Forklifts	175	3966422.85	55.03	98298.15	4.032861758	370543.4955	354.9777478	235221.298	1.575297385	890147.4	101.2	182218.45	4.882109183
Forklifts300	Forklifts	300	0	0	0	0	72794.08012	44.74913093	32288.33238	2.254552051	0	0	0	0
Forklifts600	Forklifts	600	0	0	0	0	18737.77902	6.980664219	4831.49439	3.878257431	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	280.1904549	0.097779808	21.59122581	12.98535574	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	1985.283195	0.185182764	149.3000598	9.144522179	0	0	0	0
Generator Sets25	Generator Sets	25	24520860.95	10440.29	1497532.2	0.701088889	2127074	1036.41	349885.35	0.607934571	0	0	0	0
Generator Sets50	Generator Sets	50	4023964.25	1580.67	181498.25	2.217094017	252103.8	534.72	180496.15	1.396719461	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	1817892.2	305.17	85040	5.188333333	0	0	0	0	16341.05	22.67	2602.45	6.279102389
Generator Sets175	Generator Sets	175	29751.15	28.83	3306.9	8.996688742	0	0	0	0	23597.25	18.84	2164.45	10.90219222
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	23.2973992	0.169640384	39.64343858	0.587673523	0	0	0	0
Graders50	Graders	50	0	0	0	0	779.5195047	2.459785568	886.827721	0.879081644	0	0	0	0
Graders75	Graders	75	0	0	0	0	289.7986691	0.508921152	188.7027678	1.53574144	0	0	0	0
Graders100	Graders	100	0	0	0	0	19585.38512	25.95497873	10318.98868	1.898045073	0	0	0	0
Graders175	Graders	175	0	0	0	0	203021.2911	132.4891396	63607.69838	3.160329504	0	0	0	0
Graders300	Graders	300	0	0	0	0	414874.7519	118.3241678	91500.72326	4.534114454	0	0	0	0
Graders600	Graders	600	0	0	0	0	30134.25025	5.089215517	4181.293728	6.523552336	0	0	0	0
Graders750	Graders	750	0	0	0	0	0	0	0	0	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	14512.97479	0.508921152	379.4868158	38.24366818	0	0	0	0
Pavers25	Pavers	25	11822.35	26.55	10508.35	1.125043418	1755.65	2.52	2076.85	0.845342705	0	0	0	0
Pavers50	Pavers	50	7394.15	8.07	3168.2	2.334101382	3121.764755	9.884467698	3587.011136	0.926810939	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	3848.827632	7.083882703	2524.545923	1.524562194	0	0	0	0
Pavers100	Pavers	100	6628.4	4.43	1748.35	3.791231733	28181.32962	40.60876947	16302.04117	1.728659445	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	43916.73698	32.7835502	12931.10345	3.3952078	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	34276.52815	15.73280927	7231.673935	4.73977788	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	6308.542219	1.729785312	778.0567775	8.108674377	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	1285.612926	0.164741458	79.78835568	16.11278884	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment25	Paving Equipment	25	2507655.05	2901.04	548919.85	4.056835276	2084.15	4.36	1624.45	0.575025176	0	0	0	0
Paving Equipment50	Paving Equipment	50	8621.3	22.1	3854.4	2.236742424	4141.75443	12.17726331	5865.246982	0.706048342	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	509.9895272	1.153135098	419.2565322	1.216994338	0	0	0	0
Paving Equipment100	Paving Equipment	100	3589.7	5.71	992.8	3.595588235	17443.08642	22.45104612	10665.22105	1.635511007	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	18538.88987	14.80288759	6540.609527	2.673075181	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	12577.45205	6.167886913	2962.988478	4.244853512	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	13942.02307	1.947416868	1885.85015	7.39347119	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	2054.608945	0.328953057	170.851059	12.03743495	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	1214.557347	0.164476528	78.41085128	15.4886559	0	0	0	0
Rollers25	Rollers	25	58425.55	313.95	78186.65	0.747257386	38317.42288	144.0947285	100197.7008	0.382413185	0	0	0	0
Rollers50	Rollers	50	9638.7	5.7	3544.15	2.716786818	68225.98301	249.8643106	88485.9069	0.771037845	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	713.5495428	2.202946568	518.7675682	1.375478699	0	0	0	0
Rollers100	Rollers	100	30090.6	10.69	6657.6	4.519736842	105918.6611	184.1997326	62519.11598	1.694180428	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	110246.3414	107.7746383	39538.10791	2.788156517	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	18634.36509	13.98020049	4419.424476	4.216468715	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	10297.45347	4.829525807	1501.059899	6.860219625	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	0	0	0	0	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	35.67569807	0.195557215	61.69495947	0.578259404	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	1554.9	1.35	470.85	1.30323581	3288.97235	10.56008962	2985.464788	1.101661745	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	241.4152243	0.880007689	195.5958715	1.234255479	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	34028.95	16.18	6690.45	5.086197491	274051.4748	474.2262469	136696.4916	2.004817533	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	1916.25	0.6	237.25	8.076923077	57103.55302	76.46287115	21699.71674	2.631510449	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	4524.136136	6.009329512	1027.563825	4.402778071	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	1490.300898	0.684560253	179.3723822	8.308417831	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	280.3545649	0.097778808	21.59323581	12.98535574	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	2911.391032	3.143834872	3127.125266	0.931843397	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	3867.001854	3.385668334	2629.422558	1.470653809	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	8926.879498	5.884613991	5166.067454	1.727863534	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	13591.36841	5.804002841	4666.104173	2.91278718	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	15941.64519	4.917280184	3442.757699	4.630487165	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	150508.4864	26.60167989	19841.51562	7.585432954	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	5641.866549	0.403055753	414.4382862	13.61352619	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Scrapers25	Scrapers	25	0	0	0	0	24.23760856	0.08307545	34.94517954	0.693581041	0	0	0	0
Scrapers50	Scrapers	50	0	0	0	0	192.9127113	0.698452698	182.5885631	1.056543216	0	0	0	0
Scrapers75	Scrapers	75	0	0	0	0	1698.572637	2.15996169	964.6810952	1.665592475	0	0	0	0
Scrapers100	Scrapers	100	0	0	0	0	813.4569218	6.064507828	3577.609828	2.273952225	0	0	0	0
Scrapers175	Scrapers	175	0	0	0	0	100422.2124	51.83908057	23940.06887	4.194737823	0	0	0	0
Scrapers300	Scrapers	300	0	0	0	0	124741.0231	54.58570743	22570.83026	5.526854692	0	0	0	0
Scrapers600	Scrapers	600	0	0	0	0	1514105.569	291.8440545	143421.3264	10.55704616	0	0	0	0
Scrapers750	Scrapers	750	0	0	0	0	20234.23118	3.738395233	1298.572396	15.56093453	0	0	0	0
Scrapers9999	Scrapers	9999	0	0	0	0	34935.88566	2.159861978	876.9298866	39.83893938	0	0	0	0
Skid Steer Loaders25	Skid Steer Loaders	25	191340.3	548.25	175043.05	1.093104239	168849	322.25	269005	0.627679783	0	0	0	0
Skid Steer Loaders50	Skid Steer Loaders	50	45975.4	77.64	24090	1.908484484	51639.79918	179.0053953	55712.5646	0.926890824	0	0	0	0
Skid Steer Loaders75	Skid Steer Loaders	75	0	0	0	0	2731.41.2748	554.777838	202792.1156	1.346902833	0	0	0	0
Skid Steer Loaders100	Skid Steer Loaders	100	61487.2	46.44	14413.85	4.265880097	1245.764444	3.516860765	864.2105212	1.440133177	0	0	0	0
Skid Steer Loaders175	Skid Steer Loaders	175	0	0	0	0	1853.749365	2.315862943	639.8144476	2.897323892	0	0	0	0
Skid Steer Loaders300	Skid Steer Loaders	300	0	0	0	0	1721.867521	1.458135923	439.8724326	3.914015505	0	0	0	0
Skid Steer Loaders600	Skid Steer Loaders	600	0	0	0	0	497.3458659	0.171545403	55.12185472	9.022663316	0	0	0	0
Skid Steer Loaders750	Skid Steer Loaders	750	0	0	0	0	0	0	0	0	0	0	0	0
Skid Steer Loaders9999	Skid Steer Loaders	9999	0	0	0	0	673.2262119	0.171545403	35.27798058	19.08346307	0	0	0	0
Surfacing Equipment25	Surfacing Equipment	25	122431.95	783.1	335051.75	0.365412059	0	0	0	0	0	0	0	0
Surfacing Equipment50	Surfacing Equipment	50	0	0	0	0	478.3195007	0.834729284	757.0185836	0.631850477	0	0	0	0
Surfacing Equipment75	Surfacing Equipment	75	0	0	0	0	228.8573465	0.933762855	227.8497138	1.004221357	0	0	0	0
Surfacing Equipment100	Surfacing Equipment	100	0	0	0	0	3010.205749	7.547916198	2158.025922	1.39605975	0	0	0	0
Surfacing Equipment175	Surfacing Equipment	175	0	0	0	0	2644.273899	4.513187114	1138.432276	2.347059865	0	0	0	0
Surfacing Equipment300	Surfacing Equipment	300	0	0	0	0	4833.820158	5.446949965	1367.931678	3.533709757	0	0	0	0
Surfacing Equipment600	Surfacing Equipment	600	0	0	0	0	17032.69887	9.337628511	2673.279044	6.374516193	0	0	0	0
Surfacing Equipment750	Surfacing Equipment	750	0	0	0	0	7289.459999	2.256593557	727.2826666	10.02287316	0

Orange (SC)	2024 Agricultural - Bale Wagons (Self Propelled)	Aggregate	175 Diesel	1.499454E-05	1.814346E-05	2.159210E-05	0.00018317	0.000130305	0.004409392	8.230281E-06	7.571861E-06	4.059608E-08	3.623203E-08	1.021.606E+09	305.3370496	0.492260099	394552.86
Orange (SC)	2024 Agricultural - Bale Wagons (Self Propelled)	Aggregate	300 Diesel	3.9731E-06	4.805275E-06	5.718670E-06	1.908050E-05	3.880945E-05	0.001311142	1.598454E-06	1.470966E-06	1.208TE-08	1.077558E-08	303.8424702	59.9122729	0.097118329	11598.72
Orange (SC)	2024 Agricultural - Balers (Self Propelled)	Aggregate	50 Diesel	1.783230E-05	2.157731E-05	2.567850E-05	9.111E-05	9.845918E-05	0.003731839	5.744224E-05	5.286564E-05	1.558410E-08	1.422398E-08	401.2476834	297.5765107	0.921088452	13691.2
Orange (SC)	2024 Agricultural - Balers (Self Propelled)	Aggregate	175 Diesel	7.002736E-06	8.473310E-06	1.008389E-05	5.5892E-05	1.165868E-05	0.001324807	4.148806E-06	3.818216E-06	1.212080E-08	1.088548E-08	306.9429544	163.1178588	0.502207232	10568.83
Orange (SC)	2024 Agricultural - Balers (Self Propelled)	Aggregate	100 Diesel	1.264436E-06	1.529966E-06	1.820798E-06	1.04563E-05	1.118822E-05	0.000248733	8.436055E-07	7.761717E-07	2.277155E-09	2.043749E-09	57.62868364	24.98250986	0.077057851	1981.897
Orange (SC)	2024 Agricultural - Balers (Self Propelled)	Aggregate	175 Diesel	9.555567E-07	1.156246E-06	1.376028E-06	9.2015E-06	1.017998E-05	0.000228293	5.379363E-07	4.949808E-07	2.096171E-09	1.875738E-09	52.89282569	19.1770504	0.053258708	2033.535
Orange (SC)	2024 Agricultural - Combine Harvesters	Aggregate	75 Diesel	1.464868E-05	1.77737E-05	2.115228E-05	1.045777E-05	1.350775E-05	0.000242994	9.371910E-07	8.622160E-07	2.201355E-09	1.982244E-09	55.89446329	36.26752817	0.100400575	2161.164
Orange (SC)	2024 Agricultural - Combine Harvesters	Aggregate	100 Diesel	9.71267E-06	1.175235E-05	1.398602E-05	7.009TE-05	8.423745E-05	0.001614996	6.826822E-06	6.280076E-06	1.474022E-08	1.326198E-08	374.1764801	166.8849063	0.463212383	14200.98
Orange (SC)	2024 Agricultural - Cotton Pickers	Aggregate	175 Diesel	1.417026E-05	1.714358E-05	2.040515E-05	0.00011878	0.000146484	0.002892874	8.130126E-06	7.479716E-06	2.650003E-08	2.376968E-08	670.2464618	210.581438	0.59384515	29443.2
Orange (SC)	2024 Agricultural - Combine Harvesters	Aggregate	300 Diesel	8.977886E-05	0.000108632	0.000129282	0.000415102	0.000117686	0.026569877	4.175E-05	3.841E-05	2.446060E-07	2.183140E-07	6155.942245	1133.600595	3.0189436	262478
Orange (SC)	2024 Agricultural - Combine Harvesters	Aggregate	50 Diesel	1.564747E-05	1.893015E-05	2.253464E-05	0.000723349	0.000204299	0.004603803	0.000021012	7.153355E-06	5.938106E-08	5.299701E-08	1494.183E+06	1834.378381	7.418403E-08	6.509701E-06	1.55E+09	1.55E+09
Orange (SC)	2024 Agricultural - Construction Equipment	Aggregate	50 Diesel	0.000147568	0.000178557	0.000212497	0.000560367	0.000515281	0.007940694	4.134255E-05	3.803514E-05	6.948111E-08	6.524568E-08	1839.769643	1779.626212	4.592357485	78882.74
Orange (SC)	2024 Agricultural - Construction Equipment	Aggregate	75 Diesel	0.000103154	0.000125265	0.000149075	0.000593206	0.000878969	0.012807175	6.099955E-05	5.611596E-05	1.170288E-07	1.060053E-07	2990.447589	2023.658641	5.521262361	125711.6
Orange (SC)	2024 Agricultural - Construction Equipment	Aggregate	100 Diesel	0.000201083	0.00024331	0.000289559	0.001162299	0.001729734	0.019158597	0.000132107	0.000121317	2.843618E-07	2.563593E-07	7228.174656	3672.692214	7.611495247	190923.2
Orange (SC)	2024 Agricultural - Construction Equipment	Aggregate	175 Diesel	0.000038757	0.000468582	0.000557651	0.003002356	0.003367416	0.067304006	0.00020318	0.000187496	6.148315E-07	5.530131E-07	15593.18297	6081.813108	10.02796264	744447.3
Orange (SC)	2024 Agricultural - Construction Equipment	Aggregate	300 Diesel	0.000212944	0.000257663	0.000306664	0.001552573	0.002227573	0.034956312	0.000218976	0.000201984	7.231E-07	6.493E-07	19435.8266	4.527099944	19.45	494766.8
Orange (SC)	2024 Agricultural - Construction Equipment	Aggregate	600 Diesel	2.427211E-05	2.936181E-05	3.495049E-05	0.000103941	0.000226372	0.003447924	9.785231E-06	9.02041E-06	3.974002E-08	3.57252E-08	1007.365044	337.2493971	0.555532097	48448.83
Orange (SC)	2024 Agricultural - Cotton Pickers	Aggregate	100 Diesel	2.177716E-06	2.634370E-06	3.135129E-06	1.344515E-05	2.216331E-05	0.000329349	1.679830E-06	1.549522E-06	7.653882E-09	6.883449E-09	192.1508751	82.55030769	0.138125825	7429.528
Orange (SC)	2024 Agricultural - Cotton Pickers	Aggregate	175 Diesel	6.515636E-06	7.883922E-06	9.382516E-06	0.000102214	6.759866E-05	0.002599122	3.80560E-06	3.583966E-06	2.399595E-08	2.115068E-08	602.1875133	208.9947671	0.458312503	25590.41
Orange (SC)	2024 Agricultural - Cotton Pickers	Aggregate	300 Diesel	7.484399E-06	9.056116E-06	1.077795E-05	4.5116E-05	8.553160E-05	0.003344394	3.385582E-06	3.114648E-06	3.090160E-08	2.747F-08	774.8122961	194.838241	0.22880659	33301.17
Orange (SC)	2024 Agricultural - Cotton Pickers	Aggregate	600 Diesel	1.288088E-05	1.558960E-05	1.855662E-05	0.000776615	0.000142299	0.005843726	5.845526E-06	5.377676E-06	5.493081E-08	4.928155E-08	1353.942621	179.3058859	0.390194353	58084.71
Orange (SC)	2024 Agricultural - Forage & Silage Harvesters	Aggregate	100 Diesel	6.0963E-07	7.376525E-07	8.778670E-07	4.4160E-06	5.302165E-06	0.00010175	4.294455E-07	3.95091E-07	9.287545E-10	8.360431E-10	23.57441583	11.39383151	0.0311119	911.5065
Orange (SC)	2024 Agricultural - Forage & Silage Harvesters	Aggregate	300 Diesel	5.57677E-07	6.747811E-07	8.030457E-07	4.0396E-06	1.015566E-05	0.000305033	2.000959E-07	2.139E-07	1.138777E-09	1.196622E-09	33.74196218	15.59256275	0.018644505	1450.385
Orange (SC)	2024 Agricultural - Forage & Silage Harvesters	Aggregate	600 Diesel	4.992656E-06	6.041116E-06	7.189424E-06	2.9255E-05	5.883669E-05	0.001847131	2.328288E-06	2.142101E-06	1.704232E-08	1.527722E-08	427.9560168	43.59384984	0.107915838	18591.9
Orange (SC)	2024 Agricultural - Forage & Silage Harvesters	Aggregate	750 Diesel	7.752606E-06	9.377806E-06	1.116278E-05	5.953E-05	8.417260E-05	0.002594734	3.060E-06	2.816366E-06	3.579749E-08	3.207E-08	898.5410905	61.94702566	0.161962182	38330.05
Orange (SC)	2024 Agricultural - Forage & Silage Harvesters	Aggregate	9999 Diesel	4.883636E-06	5.909198E-06	7.032442E-06	3.7217E-05	0.000110132	0.002598179	2.354060E-06	2.165746E-06	2.217466E-08	1.970408E-08	555.6312298	277.7161272	0.060816407	23883.59
Orange (SC)	2024 Agricultural - Forklifts	Aggregate	50 Diesel	1.246997E-05	1.508866E-05	1.795645E-05	5.431E-05	4.962E-05	0.00081572	3.514432E-06	3.231816E-06	7.218281E-09	6.702484E-09	188.9912284	244.733999	0.405919524	8106.327
Orange (SC)	2024 Agricultural - Forklifts	Aggregate	75 Diesel	1.042366E-05	1.261266E-05	1.50071E-05	0.000045	0.000041483	0.000315156	2.938034E-06	2.70133E-06	5.819566E-09	5.403E-09	152.3289399	100.7409604	0.327189355	6534.789
Orange (SC)	2024 Agricultural - Forklifts	Aggregate	100 Diesel	1.995534E-07	4.834168E-07	5.751209E-07	2.478715E-06	2.915476E-06	5.228868E-05	2.457033E-07	2.260476E-07	4.766746E-10	4.296E-10	12.11427024	6.704608848	0.007968942	519.6072
Orange (SC)	2024 Agricultural - Hay Squeeze/Stack retriever	Aggregate	75 Diesel	6.117686E-07	7.40219E-07	8.809406E-07	2.32202E-06	4.498228E-06	0.000862664	2.673566E-07	2.459066E-07	1.023E-09	9.221E-10	26.11552	664.4083695	0.015023954	546.6343
Orange (SC)	2024 Agricultural - Hay Squeeze/Stack retriever	Aggregate	100 Diesel	1.317686E-06	1.594598E-06	1.897466E-06	6.364915E-06	9.28587E-06	0.000225809	8.372699E-07	7.702787E-07	1.131446E-09	1.033739E-09	29.14860293	15.36401197	0.021088622	1190.711
Orange (SC)	2024 Agricultural - Hay Squeeze/Stack retriever	Aggregate	175 Diesel	1.74227E-05	2.108660E-05	2.509048E-05	8.97947E-05	0.000145168	0.003196305	6.142404E-06	5.650670E-06	1.118810E-08	7.739010E-09	786.8857148	187.9314979	0.384849317	22652.27
Orange (SC)	2024 Agricultural - Hay Squeeze/Stack retriever	Aggregate	300 Diesel	3.775944E-05	4.568809E-05	5.437356E-05	0.000193092	0.000385681	0.005487468	1.650295E-05	1.518260E-05	4.994198E-08	4.508840E-08	1271.384849	243.0386472	0.410527794	57641.01
Orange (SC)	2024 Agricultural - Hay Squeeze/Stack retriever	Aggregate	600 Diesel	8.940288E-06	1.081778E-05	1.287E-05	4.3180E-05	9.008066E-05	0.001400276	3.840404E-06	3.532864E-06	7.259736E-08	6.482048E-08	1827.781265	1767.93554	4.561085E-07	70497.48
Orange (SC)	2024 Agricultural - Nut Harvester	Aggregate	50 Diesel	2.763682E-05	3.344224E-05	3.979879E-05	0.000126	0.000114139	0.001788985	7.785E-06	7.051799E-06	1.601796E-08	1.477E-08	414.2636406	1827.781265	1.792.93554	4.561085E-07	70497.48
Orange (SC)	2024 Agricultural - Nut Harvester	Aggregate	75 Diesel	1.710077E-05	2.069019E-05	2.462515E-05	0.000294687	0.000282133	0.007588752	8.73113E-06	8.032E-06	7.011946E-08	6.235188E-08	1758.228573	1048.571136	2.663778422	68532.24
Orange (SC)	2024 Agricultural - Nut Harvester	Aggregate	100 Diesel	1.353E-05	1.637E-05	1.948E-05	0.000233161	0.000223254	0.006001316	2.308E-05	2.123E-05	2.379735E-07	2.529705E-07	5941.366821	2693.397669	4.993119121	215967.1
Orange (SC)	2024 Agricultural - Nut Harvester	Aggregate	175 Diesel	0.000446995	5.380806E-05	6.403676E-05	0.000929139	0.000464578	0.02410891	2.514988E-05	2.318295E-05	2.210E-06	2.038E-06	5585.763868	1895.368628	2.354884624	234341.3
Orange (SC)	2024 Agricultural - Nut Harvester	Aggregate	300 Diesel	2.281168E-05	2.746399E-05	3.268269E-05	0.000147546	0.000236724	0.006128038	1.060128E-05	9.772E-06	1.128502E-07	1.199E-07	2648.570404	1865.67	1.865.67	1.865.67	1.865.67	1.865.67
Orange (SC)	2024 Agricultural - Nut Harvester	Aggregate	600 Diesel	1.762476E-05	2.112598E-05	2.513796E-05	0.000157489	0.000190385	0.012317977	8.022495E-06	7.380969E-06	1.141210E-07	1.012120E-07	2851.937046	377.4626231	0.881762112	122675.4
Orange (SC)	2024 Agricultural - Other Harvesters	Aggregate	50 Diesel	1.252188E-05	1.515514E-05	1.803143E-05	8.503455E-05	7.564231E-05	0.001585491	1.78039E-06	3.481106E-06	1.214795E-08	1.105540E-08	311.7195057	313.5592251	0.249132902	10253.26
Orange (SC)	2024 Agricultural - Other Harvesters	Aggregate	75 Diesel	2.124242E-05	2.569E-05	3.057722E-05	0.000144257	0.000128304	0.002690104	3.020234E-06	2.950E-06	4.312322E-08	3.863112E-08	1089.307853	632.122416	0.451740484	42481.38
Orange (SC)	2024 Agricultural - Other Harvesters	Aggregate	100 Diesel	6.057676E-06	7.329798E-06	8.723049E-06	0.000597271	0.000432323	0.013235385	1.892046E-05	1.581505E-05	1.213717E-07	1.087516E-07	3066.490097	1385.243118	1.150648281	118626.6
Orange (SC)	2024 Agricultural - Other Harvesters	Aggregate	175 Diesel	4.47671E-06	5.416822E-06	6.446440E-06	0.000176315	0.000319763	0.006864764	2.719459E-06	2.274904E-06	2.210082E-08	1.979537E-08	558.2366266	211.5163122	0.883257581	88149.22
Orange (SC)	2024 Agricultural - Other Harvesters	Aggregate	300 Diesel	3.902366E-05	4.721825E-05	5.619398E-05	0.000161443	0.000398158	0.009457246	1.651631E-05	1.519488E-05	8.685275E-08	7.770765E-08	2191.137708	437.1778121	0.643927944	99406.91
Orange (SC)	2024 Agricultural - Other Harvesters	Aggregate	600 Diesel	1.438676E-05	1.740979E-05	2.071955E-05	7.149151E-05	0.000145168	0.003396305	6.142404E-06	5.650670E-06	3.118810E-08	2.796013E-08	786.8857148	88.25197951	0.195458173	34117.89
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	50 Diesel	1.059666E-05	1.282198E-05	1.525919E-05	4.788585E-05	4.537575E-05	0.000755929	3.087277E-06	2.840206E-06	6.717529E-09	6.211188E-09	175.1403588	166.9366183	0.318053469	7512.148
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	75 Diesel	1.999030E-06	2.418883E-06	2.878161E-06	1.38575E-05	1.822622E-05	0.000301686	1.175266E-06	1.081246E-06	2.841059E-09	2.563210E-09	72.21412878	47.65268188	0.096517702	3097.424
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	100 Diesel	2.784648E-06	3.368E-06	4.009E-06	1.44977E-05	5.728E-05	0.00078	6.377862E-05	0.001281901	1.130192E-06	1.039E-06	29.30203308	146.3103565	0.291577566	1279.06
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	175 Diesel	2.27742E-05	2.755668E-05	3.279469E-05	0.000168134	0.000217405	0.004402472	1.246085E-05	1.146393E-05	6.029238E-08	5.617304E-08	1020.003448	381.4776907	0.772446142	48637.77
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	300 Diesel	3.904E-05	4.724E-05	5.622E-05	0.000288303	0.000278484	0.006059372	1.715E-05	1.578E-05	1.033E-07	9.629E-08	1749.035	293.6376905	0.587075125	83409.2
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	600 Diesel	0.000119989	0.000145187	0.000172785	0.000723546	0.001305311	0.020737355	5.514776E-05	5.073595E-05	2.679326E-07	2.397006E-07	6759.148307	862.6507103	1.747248237	323302.7
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	750 Diesel	2.55466E-05	3.09E-05	3.677E-05	0.000151163	0.000110464	0.001744982	5.017048E-06	4.615E-06	1.537209E-08	1.414238E-08	398.8959495	96.04178609	0.280746148	19795.13
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	9999 Diesel	7.271732E-06	8.798329E-06	1.047067E-05	4.7810E-05	6.500451E-05	0.001062337	4.257246E-06	3.916566E-06	9.669575E-09	8.728810E-09	246.1315444	166.5618237	0.299822947	10051.46
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	100 Diesel	1.619790E-05	1.959946E-05	2.331249E-05	0.000109739	0.000127277	0.002435321	1.044354E-05	9.600586E-06	2.218080E-08	2.001010E-08	564.2366266	263.0945509	0.463548209	23214.53
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	175 Diesel	2.798384E-05	3.386E-05	4.029E-05	0.000210605	0.000259419	0.005014242	1.472722E-05	1.355607E-05	3.831E-08	2.790E-08	786.8857148	585.7657965	1.035458173	34117.89
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	300 Diesel	1.184496E-05	1.433248E-05	1.705567E-05	5.123932E-05	0.000128896	0.002551764	5.5379E-06	5.094876E-06	2.339528E-08	2.096680E-08	591.2150946	122.4986442	0.221009632	26715.32
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	600 Diesel	3.606455E-05	4.363498E-05	5.192540E-05	2.27553E-04	3.924616E-04	0.007768145	1.685422E-05	1.551244E-05	7.711481E-08	6.903113E-08	1975.497	1.964222213	3.883.9741	1.964222213	3.883.9741	1.964222213
Orange (SC)	2024 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	50 Diesel	3.760401E-06	4.554459E-06	5.420178E-06	3.1416E-05	3.369945E-05	0.000655795	1.360E-06	1.251298E-06	5.990E-09	5.388410E-09	151.940313	124.6841303	0.280764052	5533.089
Orange (SC)	2024 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	75 Diesel	1.189162E-05	1.440E-05	1.713E-05	0.000161335	0.000159419	0.003109493	6.343777E-06	5.836427E-06	1.880738E-08	1.436647E-08	929.6547251	514.4146005	1.158.21	1.158.21	1.158.21	1.158.21
Orange (SC)	2024 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	100 Diesel	2.381166E-05	2.881218E-05	3.428488E-05	0.000360694	0.000225933	0.008203313	1.723E-05	1.585626E-05	8.231168E-08	7.329470E-08	2066.736446	876.8823617	1.902391194	75189.83
Orange (SC)	2024 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	175 Diesel	1.180865E-05	1.428998E-05	1.700358E-05	0.000190414	0.000117248	0.005027773	6.724411E-06	6.186186E-06	4.659988E-08	4.109778E-08	1158.857037	377.9437869	0.793381107	44089.99
Orange (SC)	2024 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	300 Diesel	4.621854E-05	5.593E-05	6.655470E-05	0.000745	0.000457	0.019525	2.971E-05	2.733E-05	1.570622E-07	1.408955E-07	3969.779	1.965.67	1.965.67	1.965.67	1.965.67	1.965.67
Orange (SC)	2024 AirGroup - A/C Tug Narrow Body	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2024 AirGroup - A/C Tug Narrow Body	Aggregate	50 Diesel	2.843535E-07	3.440682E-07	4.094067E-07	0.000011958	9.955322E-05	0.00078394	1.081777E-06	9.952256E-06	8.960481E-08	7.985522E-08	317.4293431	238.9761749	0.747777515	10309.22
Orange (SC)	2024 AirGroup - A/C Tug Narrow Body	Aggregate	75 Diesel	0.000119989	0.000145187	0.000172785	0.000723546	0.001305311	0.020737355	5.514776E-05	5.073595E-05	2.679326E-07	2.397006E-07	6759.148307	862.6507103	1.747248237	323302.7
Orange (SC)	2024 AirGroup - A/C Tug Narrow Body	Aggregate	100 Diesel	4.118181E-05	4.984E-05	5.931E-05	0.000647975	0.000530165	0.010017923	2.642424E-05	2.431E-05	2.290227E-07	2.049E-07	6.041216E-05	1.337.9	1.337.9	1.337.9	1.337.9	1.337.9
Orange (SC)	2024 AirGroup - A/C Tug Narrow Body	Aggregate	175 Diesel	9.785188E-05	0.000118401	0.000140907	0.001654313	0.001161008	0.027850561	7.352765E-05	6.764564E-05	2.571976E-06	2.273116E-06	9035.743132	2457.027475	7.427919694	326271.7
Orange (SC)	2024 AirGroup - A/C Tug Narrow Body	Aggregate	300 Diesel	1.892295E-05	1.811133E-06	2.155663E-06	1.5124E-05	1.812345E-05	0.000227179	1.725E-06	1.171109E-06	2.095833E-08	1.854150E-08	73.70340774	44.43748952	0.149555342	2660.431
Orange (SC)	2024 AirGroup - A/C Tug Narrow Body	Aggregate	600 Diesel	4.118181E-05	4.984E-05	5.931E-05	0.000647975	0.000530165	0.010017923	2.642424E-05	2.431E-05	2.290227E-07	2.049E-07	6.041216E-05	1.337.9	1.337.9	1.337.9	1.337.9	1.337.9
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	50 Diesel	6.979866E-07	8.444546E-07	1.004976E-06	1.403755E-06	1.081666E-05	0.0021252	4.636726E-06	4.265788E-06	1.376066E-08	1.196256E-08	48.94978301	46.09764	0.113629201	2235.727
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	75 Diesel	1.44566E-06	1.749017E-06	2.081668E-06	1.770791E-05	1.781866E-05	0.00250286	1.189706E-06	1.094586E-06	2.309698E-08	2.042810E-08	81.20275663	46.097464	0.113629201	2927.189
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	100 Diesel	5.769414E-06	6.954E-06	8.312E-06	9.027457E-05	9.234E-05	0.013785945	4.709818E-06	4.332E-06	2.353688E-07	2.082E-07	446.5409395	184.388924	0.454518868	15888.58
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	175 Diesel	1.042975E-05	1.261998E-05	1.501878E-05	0.000207242	0.000129977	0.031616469	6.128535E-06	5.638525E-06	3.340316E-07	2.951610E-07	1173.283924	276.584784	0.681775207	42294.42
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	300 Diesel	5.407896E-05	6.543618E-05	7.787747E-05	0.000631378	0.000558757	0.340251176	1.798855E-05	1.655560E-05	3.144317E-06	2.777086E-06	11039.07469	1649.089414	4.09065124	397935.1
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	600 Diesel	4.131886E-05	4.999E-05	5.949E-05	0.000442485	0.000544426	0.005144144	0.167868882	2.074218E-05	1.370112E-06	1.266E-06	5446.320985	532.3090883	1.383550413	136312.6
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	750 Diesel	7.86897E-06	9.521456E-06	1.133131E-05	2.8063E-05	0.000176269	0.013801407	4.618E-06	4.249826E-06	1.255168E-07	1.110313E-07	441.2826811	25.25888438	0.113629201	1593.1
Orange (SC)	2024 AirGroup - Baggage Tug	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2024 AirGroup - Baggage Tug	Aggregate	50 Diesel	2.033E-05	2.460E-05	2.927960E-05	0.000184415	0.000150064	0.021471094	9.060030E-06	8.285550E-06	1.979E-07	1.752440E-07	696.6040632	731.1322285	1.001274814	32841.68
Orange (SC)	2024 AirGroup - Baggage Tug	Aggregate	75 Diesel	5.564722E-05	6.731E-05	8.012E-05	0.000504	0.000410	0.058704	0.000247865	0.022665	5.413525E-06	4.795E-06	1.905.6	1.905.6	1.905.6	1.905.6	1.905.6	1.905.6
Orange (SC)	2024 AirGroup - Baggage Tug	Aggregate	100 Diesel	6.12122E-05	7.40912E-05	8.817441E-05	0.000186094	0.000800264	0.154483878	2.608260E-05	2.399E-05	1.426446E-06	1.260388E-06	501.059282	2937.911984	4.005099258	263010.4
Orange (SC)	2024 AirGroup - Baggage Tug	Aggregate	175 Diesel	1.556E-07	1.883010E-07	2.240930E-07	7.683411E-06	7.055717E-07	0.000403229	2.567379E-08	2.361388E-08	1.296898E-08	1.145E-08	45.5262135	15.09013985	0.025673713	2186.267
Orange (SC)	2024 AirGroup - Baggage Tug	Aggregate	300 Diesel	5.484417E-06	6.637E-06	7.897E-06	1.854618E-05	0.000115945	0.003882798	3.080509E-06	2.833E-06	7.456312E-08	6.590761E-08	262.2309897	75.90945463	0.132918045	13764.9
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	25 Diesel	9.414444E-08	1.139115E-07	1.355688E-07	2.52526E-06	2.244616E-06	0.000463551	8.051777E-09	7.407626E-09	4.282918E-09	3.783404E-09	15.03938688	31.1922156	0.055996148	779.8054
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	50 Diesel	1.565508E-06	1.894483E-06	2.255018E-06	1.49E-05	1.598916E-05	0.002322443	5.836088E-06	5.370960E-06	1.376066E-08	1.268738E-08	402.2319788	491.4793419	0.929473	22411.61
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	75 Diesel	5.852166E-05	7.08111E-05	8.427116E-05	0.000564823	0.000623985	0.088034647	4.473430E-05	4.115560E-05	7.455E-07	6.597526E-07	2622.552802	2401.800602	4.617393425	151173.1
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	100 Diesel	1.374908E-05	1.662E-05	1.979E-05	0.000132	0.000146	0.020684844	0.017364097	2.863416E-05	6.869973E-07	6.022537E-07	2391.198855	1604.131082	2..4.2.5.1.7.3.9.4	2.4.2.5.1.7.3.9.4	2.4.2.5.1.7.3.9.4	2.4.2.5.1.7.3.9.4
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	175 Diesel	2.21995E-06	2.6861E-06	3.19678E-06	3.10774E-05	2.215618E-05	0.004991517	1.517666E-06	1.396255E-06	4.608253E-08	4.074010E-08	161.9442862	69.09434564	0.149915371	9335.67
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	300 Diesel	1.147E-06	1.388864E-06	1.652E-06	8.527010E-06	1.230775E-05	0.003944986	5.730055E-07	5.272E-07	6.058631E-08	5.387501E-08	182.5853204	31.1922156	0.055996148	8219.149
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	600 Diesel	3.437E-07	4.159620E-07	4.950260E-07	6.794885E-06	1.875252E-06	0.000794411	6.445169E-06	5.932957E-06	1.499911E-07	1.336E-07	451.2054591	15.59610719	0.029983074	4165.627
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	750 Diesel	3.874295E-06	4.687898E-06	5.578398E-06	5.977726E-05	5.172045E-05	0.002225305	2.631431E-06	2.42091E-06	2.045788E-08	1.816268E-08	72.19756899	6.565003334	0.029983074	4165.627
Orange (SC)	2024 AirGroup - Bobtail	Aggregate	25 Diesel	1.847647E-07	2.235E-07	2.660507E-07	1.402E-06	4.077112E-06	0.000472085	1.638E-07	1.507E-07	1.853110E-09	1.651413E-09	6.507E-07	0.7.2.2.6.2.7	0.7.2.2.6.2.7	0.7.2.2.6.2.7	0.7.2.2.6.2.7	0.7.2.2.6.2.7
Orange (SC)	2024 AirGroup - Bobtail	Aggregate	50 Diesel	2.7465E-08

Orange (SC)	2024 ConstMin - Paving Equipment	Aggregate	100 Diesel	0.000190411	0.000230398	0.000274192	0.000509413	0.002453194	0.53763842	0.000011145	0.000102254	4.96502E-06	4.38831E-06	17443.08642	19665.22105	22.45104612	949292.6						
Orange (SC)	2024 ConstMin - Paving Equipment	Aggregate	175 Diesel	0.00020131	0.000243585	0.000289887	0.000386708	0.00217412	0.573413751	0.000114328	0.000105182	5.27696E-06	4.663E-06	18538.38985	6940.609527	14.80288755	1010990						
Orange (SC)	2024 ConstMin - Paving Equipment	Aggregate	300 Diesel	9.37981E-05	0.000113496	0.000135069	0.000802362	0.001096012	0.387667754	4.29097E-05	3.94760E-05	3.58137E-06	3.16409E-06	12577.45205	2962.988478	6.167869813	683844.5						
Orange (SC)	2024 ConstMin - Paving Equipment	Aggregate	600 Diesel	9.2994E-05	0.000112523	0.000133913	0.000832229	0.001072072	0.42974523	3.57398E-05	3.28798E-05	3.97042E-06	3.50752E-06	13942.63072	1885.800819	3.94763668	760084.3						
Orange (SC)	2024 ConstMin - Paving Equipment	Aggregate	750 Diesel	1.45219E-05	1.75715E-05	2.09115E-05	0.000119939	0.000155817	0.063889698	4.31462E-06	3.96945E-06	5.85634E-07	5.17378E-07	2056.608941	170.851095	0.328953057	111779.9						
Orange (SC)	2024 ConstMin - Paving Equipment	Aggregate	9999 Diesel	6.55044E-06	7.92603E-06	9.43263E-06	7.1033E-05	0.000167692	0.037435616	2.81969E-06	2.59412E-06	3.45934E-07	3.05544E-07	1214.557467	76.41085123	0.164476528	66101.5						
Orange (SC)	2024 ConstMin - Rollers	Aggregate	25 Diesel	1.88022E-05	2.27508E-05	2.70754E-05	6.25175E-06	4.30483E-06	0.000328958	5.91832E-07	5.44483E-07	2.98497E-08	2.68491E-08	107.6726947	19.80328886	0.084728486	495.0072						
Orange (SC)	2024 ConstMin - Rollers	Aggregate	50 Diesel	0.001831374	0.002215963	0.002637179	0.015032537	0.01036818	2.102891013	0.000687522	0.000632	1.93873E-05	1.71635E-05	68225.98301	88485.9069	249.8643106	3162672						
Orange (SC)	2024 ConstMin - Rollers	Aggregate	175 Diesel	0.643894E-05	7.79113E-05	9.27237E-05	0.00225609	0.00062746	0.022993331	4.46445E-05	4.10728E-05	2.01428E-05	1.78295E-05	7050.77	713.5495428	518.3576582	2.20294984	86775.08						
Orange (SC)	2024 ConstMin - Rollers	Aggregate	100 Diesel	0.001127837	0.001606682	0.001912085	0.021113272	0.016995906	3.264671383	0.000888021	0.000816979	3.01437E-05	2.66458E-05	10591.6611	625131.1508	184.1997326	5455607						
Orange (SC)	2024 ConstMin - Rollers	Aggregate	175 Diesel	0.000751921	0.000909824	0.001082766	0.018187258	0.008522377	1.639906883	0.000389403	0.000358267	1.31942E-05	1.17245E-05	4659.544314	3953.810786	81.09655965	2407163						
Orange (SC)	2024 ConstMin - Rollers	Aggregate	300 Diesel	0.000192743	0.000233219	0.00027755	0.00165547	0.002563225	0.574356529	9.84709E-05	9.05932E-05	5.30443E-06	4.68782E-06	1863.416504	4659.424474	13.98030499	959800.2						
Orange (SC)	2024 ConstMin - Rollers	Aggregate	600 Diesel	6.99429E-05	8.46308E-05	0.001003718	0.006947802	0.003865606	0.917392802	2.04304E-05	2.70705E-05	2.91235E-06	2.56052E-06	1029745.41	1520.059889	4.829523807	517790.1						
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	25 Diesel	6.29818E-07	7.62124E-07	9.06931E-07	7.6898E-06	4.54721E-06	0.000354662	5.34064E-07	4.91317E-07	1.00020814	8.79748E-08	35.97959807	61.09495967	0.195557715	154.2374						
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	50 Diesel	7.12745E-05	8.62421E-05	0.000102635	0.000656195	0.000611509	0.101374141	2.42917E-05	2.23483E-05	9.35116E-07	8.27402E-07	3288.97235	3985.464789	10.56008962	142263.1						
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	175 Diesel	0.000249076	0.000301395	0.000358744	0.002729117	0.001810626	0.300578219	7.07905E-05	6.50974E-05	3.26124E-06	2.88672E-06	1146.662118	1393.612611	3.688307469	497.0272						
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	100 Diesel	0.001655113	0.001997846	0.002377602	0.015131484	0.028673856	5.446934311	0.000689276	0.000634134	7.80466E-05	6.89427E-05	27405.1.4748	136986.4934	477.2262469	1316614						
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	600 Diesel	0.00055141	0.000667206	0.000793693	0.008619507	0.003225958	0.612750634	0.000253702	0.000233477	1.62582E-05	1.43650E-05	571.035302	21699.71674	76.46287151	176956						
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	300 Diesel	2.48739E-05	3.00976E-05	3.58184E-05	0.000261199	0.000369009	0.1394449	8.73099E-06	8.03251E-06	1.28849E-06	1.13813E-06	4524.136194	1027.563825	4.008529122	217472.2						
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	600 Diesel	5.1149E-06	6.18903E-06	7.36546E-06	8.23209E-05	4.57832E-05	0.049364698	7.93163E-07	7.28514E-07	4.24539E-07	3.74913E-07	1490.300698	179.3723822	0.684492523	71724.96						
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	750 Diesel	1.56746E-06	1.89663E-06	2.25674E-06	1.4691E-05	2.20946E-05	0.008641272	1.57441E-07	1.44866E-07	2.52883E-08	2.32541E-08	92.51966811	21.55921681	0.097778608	13495.77						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	50 Diesel	5.63039E-05	6.81278E-05	8.10777E-05	0.000744997	0.000547477	0.089816303	1.73655E-06	1.59760E-05	8.28707E-07	7.33006E-07	291.9193102	3127.125266	3.143834457	128106.4						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	75 Diesel	0.00019486	0.000168778	0.00020086	0.000983905	0.001298668	0.119590418	9.38976E-05	8.63858E-05	1.09779E-06	9.72810E-07	380.7003854	2629.422558	3.385668324	388806.1						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	100 Diesel	0.000272341	0.000329512	0.000392171	0.001822015	0.002746972	0.275148174	0.000220184	0.000202637	2.24572E-06	2.06826E-06	779.4598	5166.067654	6.944139897	633168.6						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	175 Diesel	0.00038376	0.00046435	0.000552615	0.002585335	0.004097883	0.418190387	0.00026418	0.000243046	3.86516E-06	3.41916E-06	1359L.36841	4666.104173	5.840402841	664543.1						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	300 Diesel	0.000403496	0.000488423	0.000581034	0.002515562	0.003907807	0.491603847	0.000231931	0.000220047	4.55077E-06	4.01042E-06	1594L.64533	3442.757699	4.913728184	778402.8						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	600 Diesel	0.002934753	0.003551941	0.004225868	0.028350965	0.01945553	4.643597587	0.001556076	0.001477	2.48018E-05	3.78627E-05	1509L.46564	19841.51562	26.60167969	7305411						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	750 Diesel	6.14856E-05	7.43976E-05	8.85393E-05	0.000358972	0.000944958	0.173899154	2.675E-05	2.46164E-05	1.60594E-06	1.41934E-06	564.1966549	414.4382882	0.483055753	275948.1						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	50 Diesel	0.000451167	0.000502353	0.00059741	0.002981445	0.002244766	0.292012638	0.000142529	0.000131127	2.68735E-06	2.38337E-06	947.0284564	10931.20396	12.43514401	453122						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	75 Diesel	3.1853E-05	3.85429E-05	4.5869E-05	0.000312114	0.000298612	0.031727916	2.6739E-06	2.46166E-06	1.39326E-07	1.23838E-07	492.2685569	358.1426216	0.672169946	26636.86						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	100 Diesel	0.00437859	0.005298093	0.006305169	0.051860138	0.044586405	7.083201969	0.00293231	0.002697725	6.53564E-05	5.78123E-05	229806.6871	144147.5946	152.8346416	12387599						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	175 Diesel	0.009577786	0.007959121	0.009472012	0.105562232	0.090970122	16.87688868	0.003264998	0.003003798	0.000155782	0.000137698	547357.4356	105772.1689	230.6674938	29193832						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	300 Diesel	0.007682946	0.009236364	0.011003442	0.076039936	0.089664599	25.38270073	0.003826861	0.003522516	0.000023445	0.000020717	82351.17312	209374.1522	191.3163761	44107344						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	600 Diesel	0.010601014	0.012827227	0.015265461	0.078816309	0.105010893	30.76717462	0.003974966	0.003659969	0.00028414	0.000251118	998207.0966	161354.3448	163.0012257	53514703						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	750 Diesel	0.000109999	0.000133016	0.000158307	0.000816665	0.001096012	0.321675299	0.000028204	0.000025966	2.85511E-05	2.62945E-05	104021.6407	7829.915969	7.813975627	5075712						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	9999 Diesel	0.000278462	0.000881439	0.001048985	0.004831151	0.01544373	2.185979241	0.000320144	0.000294531	2.01888E-05	1.78417E-05	70921.68924	3952.527945	3.276828489	3784820						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	25 Diesel	1.84604E-07	2.23498E-07	2.65981E-07	1.54721E-06	1.68128E-06	0.000147084	1.41225E-07	1.29937E-07	2.95078E-08	2.70419E-08	10.65146448	2.24702056	0.034679546	16.23295						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	50 Diesel	2.90956E-05	3.52054E-05	4.18979E-05	9.90741E-05	6.95483E-05	0.00594604	9.77866E-06	8.99637E-06	5.40312E-08	4.85308E-08	192.9127113	182.5885631	0.498452698	7071.642						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	75 Diesel	5.80758E-05	7.02717E-05	8.36291E-05	0.000380016	0.000542292	0.049154482	4.60883E-05	4.24015E-05	4.56081E-07	4.04163E-07	1606.572637	564.4801952	2.112128E-06	100667.5						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	100 Diesel	0.000314772	0.000381298	0.000453655	0.002059129	0.003188958	0.692555943	0.002545603	0.002342859	2.46178E-06	2.28576E-06	8135.459228	3577.009826	0.864507923	324520.7						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	175 Diesel	0.001507914	0.001824576	0.002171396	0.019453028	0.018963255	3.095260324	0.000888506	0.000817425	2.85725E-05	2.52631E-05	10042.31324	23940.06887	51.83908057	3994975						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	300 Diesel	0.001910319	0.002313861	0.002753157	0.012388287	0.021423914	3.944622234	0.001566429	0.001440974	1.34402E-05	1.18809E-05	4724.501231	5064.997	54.58057941	5004699						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	600 Diesel	0.016664331	0.020163841	0.023996971	0.158099901	0.202188553	46.66842223	0.007811444	0.007186528	0.000430973	0.000380901	151405.563	143421.3264	459.2001291	29144045						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	750 Diesel	0.000606188	0.000733837	0.000873511	0.008022393	0.011334043	2.621368303	0.000441212	0.000406849	1.74539E-05	1.54210E-05	6129.553179	1299.572399	3.191258123	808093.3						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	9999 Diesel	0.000701104	0.000848336	0.00100959	0.008261199	0.012169104	2.076809169	0.000417738	0.000384319	9.93466E-06	8.78877E-06	3493S.88564	876.9286666	2.15996169	1400603						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	50 Diesel	0.000778623	0.000942134	0.001121217	0.008961982	0.008019551	1.591664419	0.000291959	0.000021998	1.46924E-05	1.29931E-05	516397.79918	55752.5646	173.0035391	24283144						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	75 Diesel	0.001873062	0.002266605	0.002697209	0.051890118	0.030577044	8.418879539	0.000943824	0.000868318	5.76791E-05	5.10984E-05	20324.17849	202792.1156	554.7778338	14322926						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	100 Diesel	0.843018E-05	8.28607E-05	9.85397E-05	0.000675498	0.000570448	0.038520761	5.76791E-06	5.30484E-06	1.34401E-07	1.19476E-07	47.49139697	864.2105232	3.536807955	66116.51						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	175 Diesel	1.17483E-05	1.42154E-05	1.69175E-05	0.000135261	0.000135001	0.057137072	5.71421E-06	5.25707E-06	5.27908E-07	4.66345E-07	185.7449665	639.8144474	2.315862943	97543.39						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	300 Diesel	8.73415E-06	1.05726E-05	1.25783E-05	9.9819E-05	0.000118991	0.053605987	3.66606E-06	3.37404E-06	4.93833E-07	4.36111E-07	173.6675241	439.8724326	1.450135727	61040.75						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	600 Diesel	3.97134E-06	4.80774E-06	5.72161E-06	2.89516E-05	0.048065E-05	0.015329411	2.64112E-06	2.42983E-06	1.41609E-07	1.25117E-07	497.3458535	55.12185872	0.171545403	26061.61						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	9999 Diesel	2.38578E-06	2.88679E-06	3.43552E-06	1.7397E-05	8.98641E-05	0.020705472	1.20795E-06	1.11133E-06	1.95777E-07	1.69163E-07	673.2262113	35.27798958	0.121545403	52737.99						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	50 Diesel	6.76962E-06	8.19124E-06	9.74826E-06	9.00419E-05	9.14860E-05	0.014742974	2.85367E-06	2.62538E-06	1.36103E-07	1.20330E-07	478.3195643	757.0185536	3.034729266	27353.36						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	75 Diesel	7.28753E-05	8.81791E-05	1.04945E-05	5.15417E-05	4.49074E-05	0.007053941	5.57128E-06	5.12488E-06	5.83E-08	5.75173E-08	228.8573465	227.8497138	0.931762851	54629.84						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	100 Diesel	2.25843E-05	2.7312E-05	3.25214E-05	0.000574158	0.000383894	0.059305277	1.41387E-05	1.30076E-05	8.59702E-07	7.59537E-07	3019.205749	2158.025921	7.547916388	192416.7						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	175 Diesel	1.16845E-05	1.41998E-05	1.68494E-05	0.000444869	0.000308363	0.071318452	2.49134E-06	2.29390E-06	6.95641E-07	6.14922E-07	2443.579339	1138.430271	4.514318714	160512.3						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	300 Diesel	4.48788E-05	5.43023E-05	6.46243E-05	0.000371667	0.000713079	0.148990134	2.37345E-05	2.18357E-05	1.37614E-06	1.21604E-06	483.1820158	1367.916578	5.446949965	309235.2						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	600 Diesel	9.64962E-05	0.00011676	0.000138955	0.001065413	0.001223935	0.524889152	4.55949E-05	4.21516E-05	4.85089E-06	4.28438E-06	1703.216687	2671.270944	9.337628511	1029173						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	750 Diesel	1.19884E-05	1.45042E-05	1.72586E-05	0.000242887	0.000378411	0.162479914	1.38881E-05	1.27771E-05	2.69631E-06	2.38021E-06	839.4855969	727.2824664	2.900155247	95798.7						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	9999 Diesel	1.51256E-05	1.83025E-05	2.17890E-05	0.000173417	0.000403092	0.081492882	7.31503E-06	6.72983E-06	7.52981E-07	6.65127E-07	2641.920226	192.7539478	0.700322138	169527.3						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	50 Diesel	0.001017381	0.001231031	0.001465029	0.008255578	0.006730251	0.969595803	0.000393958	0.000362093	8.93387E-06	7.91371E-06	3145T.46801	31695.25357	46.60212635	1200472						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	75 Diesel	0.000221807	0.000268386	0.000319462	0.002134923	0.001976763	0.347655224	0.000129273	0.000117746	1.35757E-06	1.20433E-06	478T.24795	3643.480534	9.497824795	294568.3						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	100 Diesel	0.000553551	0.000669797	0.000797114	0.003924273	0.006787624	1.350987243	0.000355482	0.000327044	1.24739E-05	1.10266E-05	4383L.29324	23646.06955	32.16783943	1859097						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	175 Diesel	0.00015S4	0.000188034	0.000223775	0.002284051	0.001591549	0.317596351	7.57043E-05	6.96479E-05	3.45127E-06	3.05088E-06	1217L.43093	3218.961833	4.371268997	514484.2						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	300 Diesel	0.611576E-06	8E-05	9.52606E-05	0.000611962	0.001084945	0.224481716	2.72218E-05	2.40582E-05	2.07546E-06	1.83213E-06	728.3626406	1473.787858	4.591857109	312422.8						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	600 Diesel	3.5043E-06	4.2402E-06	5.04619E-06	5.59265E-05	1.53023E-05	0.030315995	5.43685E-07	5.00190E-07	2.81081E-07	2.47435E-07	983.5698839	126.4654667	0.164963279	41727						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	9999 Diesel	1.47090E-05	1.77987E-05	2.11792E-05	0.000172427	0.000392316	0.079285461	7.11284E-06	6.54228E-06	1.37947E-06	1.21713E-06	1233.4.1.1	61.22272337	0.182483164	53612.87						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	50 Diesel	0.002658816	0.003217167	0.003828694	0.025151444	0.020562661	3.136561393	0.000905524	0.000832835	2.89198E-05	2.56002E-05	1017621.788	242.1237994	1285.03.4021	4853439						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	75 Diesel	0.000997455	0.001206921	0.001436335	0.004010635	0.009473184	0.191071723	0.000759199	0.000698463	3.58573E-06	3.19187E-06	12687.89136	9331.394882	39.48220588	665268.8						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	100 Diesel	0.016870761	0.020413621	0.024293896	0.131817994	0.208088669	50.3144E3	0.009225134	0.008487114	0.000464676	0.000410366	1632897.957	1024354.859	1604.523978	431643.6						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	175 Diesel	0.002423205	0.002943893	0.003502519	0.015648849	0.023202949	8.781449357	0.001145008	0.001053407	8.11159E-05	7.16718E-05	284904.4533	104424.1508	183.9128394	14993253						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	300 Diesel	0.00150117	0.001816415	0.002161684	0.012682336	0.01703807	5.442330213	0.000620583	0.000570936	5.02722E-05	4.44196E-05	176570.4101	64715.48134	78.20513857	9294611						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	600 Diesel	0.001737076	0.002101812	0.002500319	0.018665163	0.031604135	10.38472599	0.001153477	0.001060849	9.74637E-05	8.60922E-05	342284.1.1	36808.56886	65.75101278	12481747						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	750 Diesel	4.96647E-05	6.00943E-05	7.15172E-05	0.000638549	0.000521889	0.117776972	2.16277E-05	1.98794E-05	1.08742E-06	9.61288E-07	3821.144152	308.0474743	0.674909502	204269.7						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	9999 Diesel	0.000655467	0.000793119	0.000943603	0.008422153	0.004821161	1.014632166	0.000422997	0.000372127	1.49955E-05	1.32079E-05	5252.963611	2261.616823	5.144274818	1586218						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	50 Diesel	0.000937504	0.001134381	0.001350008	0.007959169	0.007341541	1.111460225	0.000371007	0.000341155	1.02658E-05	9.08741E-06	3612L.04613	31288.07407	79.39460574	1247952						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	75 Diesel	0.000153485	0.000185737	0.000220318	0.000969842	0.001619563	0.121481158	0.000121194	0.000111498	1.11855E-06	9.91513E-07	394L.322383	2103.750745	6.349784215	157763.9						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	100 Diesel	0.000466783	0.000564807	0.000672167	0.004752001	0.005354356	0.686301652	0.000361287	0.000332184	6.33126E-06	5.60155E-06	2226L.30129	10086.8502	29.863225	8550031						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	175 Diesel	0.000466E-06	0.000114482	0.000136249	0.001154898	0.001547956	0.194679799	5.87938E-05	5.40908E-05	5.52512E-06	4.88648E-06	1934L.05479	1442.149053	4.871596073	206102.1						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	300 Diesel	0.000172754	0.000209032	0.000248766	0.001909871	0.002325118	0.373926313	9.76704E-05	9.00488E-05	3.45195E-06	3.05194E-06	1213L.62741	2065.483481	6.495928907	865399.3						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	600 Diesel	0.000155958	0.000188709	0.000224579	0.001727284	0.001772878	0.557704425	7.46577E-05	6.88410E-05	1.55158E-06	4.55318E-07	1809L.12267	1819.129044	4.871596073	1232.2						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	750 Diesel	1.67524E-05	2.02704E-05	2.41235E-05	0.000324963	8.96209E-05	0.181041516	3.08845E-06	2.84138E-06	1.67312E-06	1.47764E-06	587.1.692591	348.8129934	0.721769789	225799.2						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	9999 Diesel	2.66908E-05	3.22958E-05	3.84347E-05	0.000390297	0.000368504	0.014529466	1.71681E-05	1.58065E-05	1.35531E-07	1.18588E-07	471.3952512	21.08389269	0.090221224	18132.15						
Orange (SC)	2024 Industrial - Aerial Lifts	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 Industrial - Aerial Lifts	Aggregate	50 Diesel	0.000841425	0.001018124	0.001211652	0.019983835	0.01854171	3.770526045	0.000139079	0.000127952	3.48353E-05	3.07745E-05	12231.565	149623.2908	483.3519432	6902270						
Orange (SC)	2024 Industrial - Aerial Lifts	Aggregate	75 Diesel	0.000497195	0.000601595	0.000715948	0.011791364	0.008977543	2.881415572	0.000080954	0.000074498	2.03018E-05	1.79341E-05	7129.1.4125	87174.84125	281.6455772	4023152						
Orange (SC)	2024 Industrial - Aerial Lifts	Aggregate	100 Diesel	0.000537307	0.000650141	0.000773721	0.022111133	0.010057421	3.693006399	0.000100423	0.000092389	3.41276E-05	3.01418E-05	11981.5.255	96780.70397	312.5022002	7514702						
Orange (SC)	2024 Industrial - Aerial Lifts	Aggregate	175 Diesel	5.44427E-05	6.57547E-05	7.82520E-05	0.002178008	0.000437037	0.402089481	1.84563E-05	1.69825E-05	3.72577E-06	3.28183E-06	1303.6.1.1	6274.427422	20.30122787	1568.9						
Orange (SC)	2024 Industrial - Aerial Lifts	Aggregate	300 Diesel	3.04779E-06	3.68778E-06	4.38878E-06	4.40663E-05	3.11606E-05	0.024027976	4.21205E-07	3.87538E-07	2.72504E-07	2.50745E-07	99.6.1.1	212.6901994	0.684313387	48918.75						
Orange (SC)	2024 Industrial - Aerial Lifts	Aggregate	600 Diesel	1.74232E-06	2.1082E-06	2.50893E-06	3.09811E-05	8.51581E-06	0.017063346

Orange (SC)	2024 OFF - ConstMin - Signal Boards	Aggregate	25 Diesel	4.270876-05	5.082606-05	6.150095-05	0.00046586	0.000401608	0.062323177	1.25529E-05	1.154868-05	8.056836-07	5.22470-07	2076.85	1255.6	2.35	46457.2		
Orange (SC)	2024 OFF - ConstMin - Skid Steer Loaders	Aggregate	25 Gasoline	0.036858725	0.033920655	0.040506778	1.53526545	0.249394187	0.018801374	0.014325482	0.124477-05	6.703145	5913460.3	175041.05		548.25	53123.93		
Orange (SC)	2024 OFF - ConstMin - Skid Steer Loaders	Aggregate	25 Diesel	0.004266813	0.005077861	0.006144211	0.030919683	0.038894496	5.07845301	0.001459472	0.001178594	6.443598-05	4.24773-05	168849	269005	322.25	53801.00		
Orange (SC)	2024 OFF - ConstMin - Skid Steer Loaders	Aggregate	50 Gasoline	0.001244216	0.00114443	0.001369183	0.097153912	0.003918766	1.057622428	7.29115E-05	5.508874-05	1.385888-05	1.61063E-05	45975.4	24080	77.64	770880		
Orange (SC)	2024 OFF - ConstMin - Skid Steer Loaders	Aggregate	100 Gasoline	0.000715209	0.000657849	0.000787044	0.037187764	0.001780318	1.564010953	0.000109047	8.23908E-05	1.511056-05	2.15407E-05	61487.9	14413.85	46.44	115310.8		
Orange (SC)	2024 OFF - ConstMin - Surfacing Equipment	Aggregate	25 Gasoline	0.025079889	0.023068482	0.027598888	0.93874074	0.019184703	1.656836016	0.011600182	0.008764582	4.78353E-05	4.28908E-05	122431.95	335051.75	783.1	2607180		
Orange (SC)	2024 OFF - ConstMin - Tampers/Rammers	Aggregate	25 Gasoline	0.002915594	0.002681763	0.003208433	0.11598662	0.002425885	0.192737376	0.001941086	0.001466576	1.028925-05	5.40238E-06	18275.55		469.14	369001.7		
Orange (SC)	2024 OFF - ConstMin - Tractors/Loaders/Backhoes	Aggregate	25 Diesel	0.000831679	0.000965965	0.001168318	0.003989332	0.007385994	0.968862148	0.000275901	0.000253829	1.22930-05	8.10156-06	32203.95		46624.9		47.32	1026373
Orange (SC)	2024 OFF - ConstMin - Tractors/Loaders/Backhoes	Aggregate	100 Gasoline	0.000504383	0.000463911	0.000555042	0.012593998	0.00127608	0.016997765	4.30186E-05	3.25028E-05	5.961066-06	8.93798E-06	255113.5		8723.5		10.03	5495865
Orange (SC)	2024 OFF - ConstMin - Trenchers	Aggregate	25 Gasoline	0.022723527	0.02090311	0.025005856	0.935799862	0.016810507	1.5492177	0.011688397	0.008831234	4.113266-05	4.12745E-05	117818.35		122275		281.5	1809944
Orange (SC)	2024 OFF - ConstMin - Trenchers	Aggregate	25 Diesel	0.000182476	0.000455175	0.000550752	0.002072217	0.00347441	0.450754461	0.000130947	0.000120471	6.09193E-06	3.84640E-06	15289.85		15990.65		25.85	3572511
Orange (SC)	2024 OFF - ConstMin - Trenchers	Aggregate	50 Gasoline	0.002046743	0.001882594	0.002252315	0.146218641	0.002862265	0.976133633	6.72938E-05	5.08442E-05	1.186E-05	1.60896E-05	45927.95		20841.5		51.81	625245
Orange (SC)	2024 OFF - ConstMin - Trenchers	Aggregate	100 Gasoline	0.000730686	0.000672085	0.000804076	0.031554607	0.001892966	0.70467817	4.93193E-05	3.72128E-05	6.86817E-06	1.00274E-05	28623.3		6913.1		17.21	456264.6
Orange (SC)	2024 OFF - Industrial - Aerial Lifts	Aggregate	25 Gasoline	0.004729614	0.006188899	0.007405572	0.277507289	0.004741705	0.45008197	0.001939575	0.001926568	1.142976-05	1.21570E-05	34583.75	9999.05	106.57	754349.2		
Orange (SC)	2024 OFF - Industrial - Aerial Lifts	Aggregate	25 Diesel	0.000729979	0.000868736	0.00105117	0.004192207	0.006631707	0.879378824	0.000256666	0.000236133	1.1981E-06	7.36233E-06	29265.7	63718.05	159.55	1113845		
Orange (SC)	2024 OFF - Industrial - Aerial Lifts	Aggregate	25 Net Gas	0	0	0.000513005	0.138574417	0.003761284	0.180482007	0	0	0	0	53782.75	45519.15	121.29	858644.3		
Orange (SC)	2024 OFF - Industrial - Aerial Lifts	Aggregate	50 Gasoline	0.002077992	0.001911137	0.002286703	0.170169904	0.003103051	1.650861349	0.000113816	8.59941E-05	2.00727E-05	2.55391E-05	72901.45	45979.05	127.24	1517309		
Orange (SC)	2024 OFF - Industrial - Aerial Lifts	Aggregate	100 Gasoline	0.001637931	0.001505678	0.001802454	0.090520713	0.004087092	3.131409464	0.000231828	0.000174594	3.202075-05	4.58900E-05	130994.85	45979.05	127.24	1080596		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	25 Gasoline	0.00019863	0.0001827	0.000218581	0.012243489	0.000165348	0.019680636	9.89698E-06	7.47923E-06	4.987981-07	5.25538E-07	1500.15	2197.3	2.44	50573.9		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	25 Net Gas	0	0	2.47903E-05	0.009924467	0.000109578	0.02046021	0	0	0	0	1427.35	1452.7	1.16	33412.1		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	50 Gasoline	0.052570284	0.048354147	0.057863695	6.18188E-05	0.121158209	22.24637666	0.001533945	0.001158754	0.000270475	0.000426397	1217150.9	764569.15	424.4	31347195		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	50 Net Gas	0	0	0.003435596	0.570793063	0.149285344	35.57582334	0	0	0	0	189514.75	1419561.65	787.97	58202028		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	100 Gasoline	0.111980706	0.102080554	0.122127498	10.53018827	0.547819633	131.7917005	0.009188843	0.006942674	0.001272292	0.001971225	562688.2	2683096.75	1489.31	1.88E+08		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	100 Net Gas	0	0	0.020379788	9.62230808	0.964908274	213.2363952	0	0	0	0	11880164	4982217.15	2765.52	3.49E+08		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	175 Gasoline	0.005792655	0.005328084	0.006374461	0.404623847	0.010392118	0.975036606	0.000570044	0.000532029	9.70606E-05	0.000138205	1945026.6	980403.9	54.43	3431891		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	175 Net Gas	0	0	0.000939497	0.563723326	0.048014927	16.27101826	0	0	0	0	8903147.4	182328.45	101.2	26619954		
Orange (SC)	2024 OFF - Other General Industrial Equipment	Aggregate	25 Gasoline	0.00055618	0.005114254	0.006118635	0.389459886	0.004453442	0.570969886	0.000237578	0.000207912	1.582688-05	1.49423E-05	426519.9	7377912	198.91	815325.1		
Orange (SC)	2024 OFF - Other General Industrial Equipment	Aggregate	25 Diesel	0.000899974	0.001070144	0.001295983	0.00509966	0.008389351	1.111246141	0.000316538	0.000292125	1.485688-05	9.29979E-06	36967.2	49.42	7084.25		40.64	870306
Orange (SC)	2024 OFF - Other General Industrial Equipment	Aggregate	50 Gasoline	0.001632351	0.001501437	0.001796303	0.156261176	0.003605333	1.111154581	7.66268E-05	5.78958E-05	1.15148-05	1.80729E-05	51589.1	29010.2	40.64	870306		
Orange (SC)	2024 OFF - Other General Industrial Equipment	Aggregate	100 Gasoline	0.000505023	0.000464512	0.000555746	0.036652218	0.002977964	0.951083833	6.61316E-05	4.99663E-05	6.010145-05	1.31928E-05	18230.1	95318	13.37	753170.2		
Orange (SC)	2024 OFF - Other General Industrial Equipment	Aggregate	175 Gasoline	7.08542E-05	6.51737E-05	7.79707E-05	0.006834891	0.000600127	0.197556122	1.41146-05	1.06795-05	1.958546-06	2.75812E-06	7873.05	919.8	1.3	160045.2		
Orange (SC)	2024 OFF - Other Material Handling Equipment	Aggregate	25 Gasoline	0.218383E-05	1.93127E-05	2.31236E-05	0.001717142	0.001408569	0.247637864	7.86466E-07	5.94242E-07	1.387097-07	1.85470E-07	129.25	222.65	0.55	9128.65		
Orange (SC)	2024 OFF - Other Material Handling Equipment	Aggregate	100 Gasoline	0.000533045	0.000490294	0.000586583	0.028227486	0.002486334	0.657427196	4.58374E-05	3.46327E-05	6.351666-06	9.32798E-06	26626.75	9829.45	25.4	530790.3		
Orange (SC)	2024 OFF - Industrial - Sweepers/Scrubbers	Aggregate	25 Gasoline	0.004215998	0.003896271	0.004661457	0.272595992	0.003421058	0.452616972	0.000237079	0.000153802	1.186186-05	1.38764E-05	31902.1	37795.75	139.89	489027		
Orange (SC)	2024 OFF - Industrial - Sweepers/Scrubbers	Aggregate	25 Diesel	0.00017923	0.000212298	0.000256091	0.001100284	0.001659873	0.222591421	6.45578E-05	5.99282E-05	3.112298-06	1.88154E-06	7519	1040.82	16.1	193617		
Orange (SC)	2024 OFF - Industrial - Sweepers/Scrubbers	Aggregate	50 Gasoline	0.004530582	0.004167229	0.004985629	0.390984133	0.00979536	3.592753886	0.000247681	0.000187137	4.368318-05	5.59947E-05	159837.15	61115.6	118.35	2139046		
Orange (SC)	2024 OFF - Industrial - Sweepers/Scrubbers	Aggregate	100 Gasoline	0.002442209	0.002246899	0.002688869	0.167098967	0.005283227	1.936655722	0.000401784	0.000303572	5.76353E-05	7.98726E-05	228307.5	51027	189.83	3406836		
Orange (SC)	2024 OFF - Industrial - Sweepers/Scrubbers	Aggregate	175 Gasoline	2.047210-05	1.883020-05	2.25282E-05	0.002225533	0.000197642	0.067085907	4.80394E-06	3.63373E-06	6.664286-07	9.34716E-07	2668.15	295.65	0.58	41391		
Orange (SC)	2024 OFF - Light Commercial - Air Compressors	Aggregate	25 Gasoline	0.048801883	0.044894259	0.053715345	1.122005974	0.028920792	2.550780245	0.009555126	0.007647408	7.833318-05	5.91830E-05	169270.05	56042.15	1158.91	9453013		
Orange (SC)	2024 OFF - Light Commercial - Air Compressors	Aggregate	25 Diesel	0.000212414	0.00025279	0.000305876	0.00112297	0.001892494	0.244646241	7.83392E-05	7.20721E-05	3.241776-06	2.04672E-06	8135.85	14840.9	18.24	2964384		
Orange (SC)	2024 OFF - Light Commercial - Air Compressors	Aggregate	50 Gasoline	0.002355307	0.002166411	0.002597871	0.181688181	0.003121243	1.078261808	7.41965E-05	5.60596E-05	1.383546-05	1.80781E-05	51802.05	23210.35	48.03	812362.3		
Orange (SC)	2024 OFF - Light Commercial - Air Compressors	Aggregate	50 Diesel	0.002326149	0.002784309	0.003369654	0.023188923	0.018497961	2.731268662	0.000841887	0.000595949	3.513458-05	2.30181E-05	91498.2	8966.23	110.17	3317508		
Orange (SC)	2024 OFF - Light Commercial - Air Compressors	Aggregate	100 Gasoline	0.007316	0.006729256	0.008050811	0.342298375	0.018180843	6.90145907	0.000481186	0.000363563	0.667775-05	9.80841E-05	282542.85	75266.65	155.71	5268666		
Orange (SC)	2024 OFF - Light Commercial - Air Compressors	Aggregate	175 Gasoline	0.000608678	0.00064267	0.000768359	0.031217963	0.002511702	0.954366183	0.000133755	0.000101033	1.84E+06	2.81E+06	8.58853E-06	1.21424E-05	34660.4	50563	10.48	677802.6
Orange (SC)	2024 OFF - Light Commercial - Gas Compressors	Aggregate	50 Net Gas	0	0	0.000159982	0.028344376	0.005809517	1.9306733	0	0	0	0	102583.25	30003	3.53	960096		
Orange (SC)	2024 OFF - Light Commercial - Gas Compressors	Aggregate	100 Net Gas	0	0	0.000672413	0.45127112	0.024374999	8.1104859	0	0	0	0	600326.45	62011.5	7.3	5457188		
Orange (SC)	2024 OFF - Light Commercial - Gas Compressors	Aggregate	175 Net Gas	0	0	0.000243307	0.0922121	0.009198586	2.8235883	0	0	0	0	154172.35	10001	1.18	1460146		
Orange (SC)	2024 OFF - Light Commercial - Gas Compressors	Aggregate	300 Net Gas	0	0	0.000187192	0.106107OB	0.008902004	2.910073	0	0	0	0	159672.9	8000.8	0.94	1680168		
Orange (SC)	2024 OFF - Light Commercial - Gas Compressors	Aggregate	600 Net Gas	0	0	0.000153629	0.149404409	0.012536983	4.0983498	0	0	0	0	224872.85	7000.7	0.82	2365237		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	25 Gasoline	0.353162019	0.324838426	0.38863326	19.26071786	0.251533089	33.08508503	0.021874869	0.016527679	0.000906268	0.000859322	2452088.95	34975322	30440.29	37515161		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	25 Diesel	0.005510215	0.006613011	0.007417458	0.032544437	0.054917137	6.588551902	0.001202824	0.001080735	8.91826E-05	5.95105E-05	212707.4	349885.35	1036.41	5031105		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	50 Gasoline	0.011977748	0.011017133	0.013180782	0.791912558	0.024900499	4.942426755	0.000644059	0.000486622	0.000113587	0.000140968	402394.25	181496.25	1580.17	5807880		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	50 Diesel	0.004153115	0.005188566	0.006206483	0.052080613	0.047481979	5.926555434	0.001410228	0.001047437	9.77997E-05	6.94280E-05	252181.85	30496.15	534.72	5956373		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	100 Gasoline	0.002570381	0.002364236	0.002828547	0.107364736	0.014981281	3.627395576	0.000322633	0.000243767	4.470710-05	6.36885E-05	181799.2	35040	305.17	2908320		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	100 Net Gas	0	0	1.24401E-05	0.009415452	0.000949919	0.300023516	0	0	0	0	16341.05	2602.45	22.67	216003.4		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	175 Gasoline	0.000258101	0.000237488	0.000284128	0.010859981	0.002606124	0.747985313	5.36226E-05	4.05148E-05	7.430458-06	1.04225E-05	29751.15	3306.9	28.83	482807.4		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	175 Net Gas	0	0	0.000113851E-05	0.01128665	0.001301613	0.437514817	0	0	0	0	23597.25	2164.45	18.84	316009.7		
Orange (SC)	2024 OFF - Light Commercial - Pressure Washers	Aggregate	25 Gasoline	0.037958857	0.034912715	0.041760447	1.407128977	0.027595992	0.03419214	0.178571299	0.003858027	0.002913476	8.34725E-05	6.821386-05	1947.16	55.75	3177.73	2527975	
Orange (SC)	2024 OFF - Light Commercial - Pressure Washers	Aggregate	25 Diesel	2.79566E-05	3.32695E-05	4.02561E-05	0.000204252	0.000275165	0.038095565	1.14774E-05	1.05592E-05	5.353338-07	3.04851E-07	1211.8	4949.4	34.21	69504.8		
Orange (SC)	2024 OFF - Light Commercial - Pressure Washers	Aggregate	50 Gasoline	0.000107918	9.92631E-05	0.000118757	0.007422283	0.000775832	0.099491556	6.52160E-06	4.70615E-06	1.150098-06	1.61435E-06	4060.55	1854.2	14.12	46897.4		
Orange (SC)	2024 OFF - Light Commercial - Pressure Washers	Aggregate	50 Diesel	1.46712E-05	1.746E-05	2.11265E-05	0.000200475	0.000219224	0.036150069	5.50062E-06	5.06057E-06	4.689168-07	3.03933E-07	1208.15	1854.2	12.82	70459.6		
Orange (SC)	2024 OFF - Light Commercial - Pumps	Aggregate	25 Gasoline	0.121004911	0.111298655	0.133157751	4.077829189	0.082156284	7.697580628	0.047827019	0.03613597	0.000234711	0.000319362	552080.3	1550235.3	7024.14	8660853		
Orange (SC)	2024 OFF - Light Commercial - Pumps	Aggregate	25 Diesel	0.028115369	0.033145992	0.041040865	0.017743189	0.025172664	3.280426116	0.001005704	0.000842094	4.690218-05	2.74694E-05	109241.95	25301.6	583.88	2582652		
Orange (SC)	2024 OFF - Light Commercial - Pumps	Aggregate	50 Gasoline	0.001854151	0.001702964	0.002037409	0.141067808	0.002864285	1.410454697	9.72355E-05	7.34668E-05	1.714868-05	2.17288E-05	62024.45	27878.7	126.28	864239.7		
Orange (SC)	2024 OFF - Light Commercial - Pumps	Aggregate	50 Diesel	0.002802024	0.003318045	0.004039614	0.031997227	0.028157424	4.427709927	0.000877554	0.000680735	5.723928-05	3.74496E-05	147671.7	94232.05	1036.41	5031105		
Orange (SC)	2024 OFF - Light Commercial - Pumps	Aggregate	100 Gasoline	0.002839172	0.00266022	0.003183269	0.143997392	0.007669274	1.902893302	0.00019973	0.000279352	5.123318-05	7.33835E-05	209473.5	35339.3	160.05	3285555		
Orange (SC)	2024 OFF - Light Commercial - Pumps	Aggregate	175 Gasoline	0.000160569	0.00150456	0.001801573	0.082678213	0.004481499	1.124747956	7.87588E-05	6.1064E-05	1.07229E-05	1.52457-06	4844.9	1082.35	4.82	152949.6		
Orange (SC)	2024 OFF - Light Commercial - Welders	Aggregate	25 Gasoline	0.118148966	0.108679419	0.13001573	4.903451139	0.084825069	8.024684948	0.060543911	0.045744288	0.000207243	0.000214982	613667.2	777256.1	3719.84	12132147		
Orange (SC)	2024 OFF - Light Commercial - Welders	Aggregate	25 Diesel	0.002448797	0.002961875	0.003583868	0.014282744	0.022229563	2.883566803	0.000391994	0.000856239	1.977288-05	2.41512E-05	96005.95	245426	382.13	3739440		
Orange (SC)	2024 OFF - Light Commercial - Welders	Aggregate	50 Gasoline	0.004425235	0.004070212	0.004885958	0.298096618	0.009370585	2.824679796	0.000339599	0.000257408	3.44079E-05	4.95508E-05	125457.8	52136.6	250.93	2346147		
Orange (SC)	2024 OFF - Light Commercial - Welders	Aggregate	50 Diesel	0.009831171	0.011699906	0.014156886	0.110402955	0.083225194	12.56167201	0.002844771	0.002617189	0.000162391	0.000105661	420009.15	353575.5	550.57	16264473		
Orange (SC)	2024 OFF - Light Commercial - Welders	Aggregate	100 Gasoline	0.001251821	0.002993525	0.003157841	0.112604987	0.009248581	4.44262935	0.000309751	0.001203E-06	0.000239034	6.38012E-06	176411.8	51195.1	176.6	3728657		
Orange (SC)	2024 OFF - Light Commercial - Welders	Aggregate	175 Gasoline	0.000288445	0.000265348	0.00031746	0.012223999	0.002813284	0.955140473	0.000128336	0.000097053	1.78E+06	2.69E+06	8.24225E-06	2.97751E-06	3368.29	48572.5	17.65	476872.5
Orange (SC)	2024 OFF - Military - A/C unit	Aggregate	25 Diesel	4.387577E-05	5.22158E-05	6.31811E-05	0.000834492	0.000587187	0.142059957	2.55455E-06	2.65235E-06	1.67699E-06	1.06190E-06	4768.65	1372.4	4.55	138612.4		
Orange (SC)	2024 OFF - Military - A/C unit	Aggregate	300 Diesel	2.28374E-05	2.71784E-05	3.28858E-05	0.000215699	0.000259169	0.122909778	7.46437E-06	6.86722E-06	1.382956-06	1.02198E-06	4062.45	573.05	1.91	119194.4		
Orange (SC)	2024 OFF - Military - A/C unit	Aggregate	600 Diesel	1.32678E-05	1.57898E-05	1.91057E-05	0.000126804	0.000144018	0.071589288	4.347EE-06	3.99979E-06	7.223028-07	6.08783E-07	2419.95	226.1	0.75	71284.5		
Orange (SC)	2024 OFF - Military - Aircraft Support	Aggregate	25 Diesel	0.000102918	9.59674E-05	0.000115757	0.007422283	0.000574983	0.202616505	4.07544E-06	3.77243E-06	2.194568-07	872.35	168.65	1255.2	0.82	29068.2		
Orange (SC)	2024 OFF - Military - Aircraft Support	Aggregate	175 Diesel	1.799222-05	2.14122E-05	2.59088E-05	0.000393752	0.000200788	0.079566029	8.48411E-06	7.80538E-06	8.658878-07	6.42758E-07	2555	532.9	1.78	74606		
Orange (SC)	2024 OFF - Military - Cart	Aggregate	100 Diesel	4.099551E-06	4.87878E-06	5.9033E-06	7.79704E-05	5.48636E-05	0.031573B0	2.38683E-06	2.19588E-06	1.56698-07	1.12023E-07	445.3	160.6	0.52	13008.6		
Orange (SC)	2024 OFF - Military - Cart	Aggregate	175 Diesel	1.474722-06	1.75504E-06	2.12159E-06	3.22716E-05	1.64575E-05	0.006307646	6.95394E-07	6.39782E-07	7.097188-08	5.05024E-08	200.75	51.1	0.16	7818.3		
Orange (SC)	2024 OFF - Military - Cart	Aggregate	300 Diesel	5.03816E-06	5.99870E-06	7.24343E-06	4.79088E-05	5.70845E-05	0.027072033	1.64411E-06	1.51257E-06	3.046097-07	2.23128E-07	886.95	124.1	0.44	24447.7		
Orange (SC)	2024 OFF - Military - Communications	Aggregate	50 Diesel	1.200991E-06	1.42918E-06	1.7293E-06	1.42843E-05	1.39215E-05	0.002198744	4.14629E-07	3.81459E-07	5.82443E-08	5.46916E-08	58.4	58.4	0.16	2336		
Orange (SC)	2024 OFF - Military - Communications	Aggregate	100 Diesel	2.024454E-06	2.40920E-06	2.91512E-06	3.85039E-05	2.70931E-05	0.005956231	1.17868E-06	1.08439E-06	7.737728-08	5.41753E-08	215.35	62.05	0.24	4864		
Orange (SC)	2024 OFF - Military - Communications	Aggregate	175 Diesel	1.471116E-06	1.75274E-06	2.11908E-06	1.7498E-05	1.76538E-05	0.002619461	5.07921E-07	4.99528E-07	5.46916E-08	3.93014E-08	58.4	58.4	0.16	2861.6		
Orange (SC)	2024 OFF - Military - Compressor (Military)	Aggregate	100 Diesel	4.521695E-05	5.38119E-05	6.51124E-05	0.000860001	0.000605136	0.147329573	2.61264E-05	2.42203E-05	1.728258-06	1.22950E-06	4887.35	2018.45	6.7	143330		
Orange (SC)	2024 OFF - Military - Compressor (Military)	Aggregate	175 Diesel	2.146216-06	2.55417E-06	3.09050E-06	4.6969E-05	2.95124E-05	0.009579755	1.01203E-06	9.31075E-07	1.032388-07	7.52945E-08	299.3	58.4	0.16	9752.8		
Orange (SC)	2024 OFF - Military - Compressor (Military)	Aggregate	300 Diesel	4.555232E-06	5.42111E-06	6.5593E-06	4.30241E-05	5.16948E-05	0.024515982	1.48887E-06	1.36979E-06	2.758478-07	2.03846E-07	810.3	102.2	0.34	22760.6		
Orange (SC)	2024 OFF - Military - Compressor (Military)	Aggregate	600 Diesel	2.587666E-06	3.07953E-06	3.72542E-06	0.000247711	0.000283882	0.141422899	8.47421E-06	7.80088E-06	1.482738-06	1.19294E-06	4734.05	168.65	1.25	137506.4		
Orange (SC)	2024 OFF - Military - Crane	Aggregate	100 Diesel	3.539E-06	4.20563E-06	5.08882E-06	0.000129502	5.98995E-05	0.023086811	6.80513E-07	6.26072E-07	2.70826-07	1.92827E-07	766.5	211.7	0.7	22228.5		
Orange (SC)	2024 OFF - Military - Crane	Aggregate	175 Diesel	6.656022E-07	7.92122E-07	9.58467E-07	2.88592E-05	4.60535E-06	0.005812929	1.39297E-07	1.28153E-07	6.540546-08	4.86659E-08	191.45	32.85	0.09	4631.85		
Orange (SC)	2024 OFF - Military - Crane	Aggregate	300 Diesel	6.415166-07	7.63457E-07	9.23780E-07	5.94924E-05	3.67886E-06	0.001615681	1.32973E-07	1.23555E-07	6.617858-08	4.68670E-08	193.45	32.85	0.09	7029.9		
Orange (SC)	2024 OFF - Military - Deicer	Aggregate	100 Diesel	1.855752E-06	2.20849E-06	2.67227E-06	3.52953E-05	2.48354E-05	0.006060546	1.08046E-06	9.94023E-07	7.092918-08	4.77477E-08	189.8	58.4	0.16	6424		
Orange (SC)	2024 OFF - Military - Generator (Military)	Aggregate	50 Diesel	7.700816-06	9.16295E-06	1.10862E-05	9.15966E-05	8.92715E-05	0.014099444	2.65881E-06	2.49211E-06	1.827178-07	1.17533E-07	467.2	1.19	13592.6	3577		
Orange (SC)	2024 OFF - Military - Generator (Military)	Aggregate	100 Diesel	1.000235241	0.000279956	0.000338747	0.004474156	0.003148222	0.766482055	0.000116963	0.000116006	8.991238-06	6.40922E-06	25477	8957.1	29.85	743493.3		
Orange (SC)	2024 OFF - Military - Generator (Military)	Aggregate	175 Diesel	0.000255513	0.000304048	0.000367937	0.025917273	0.002851444	0.692871868	0.000120469	0.000110846	1.227E-06	1.03013E-06	3621.8	7223.35	24.03	1063832		
Orange (SC)	2024 OFF - Military - Generator (Military)	Aggregate	300 Diesel	8.142476-05	9.69021E-05	0.000117253	0.000769056	0.000924044	0.438223387	2.66135E-05	2.44844E-05	4.930766-06	3.63617E-06	1454	1908.95	6.34	425695.9		
Orange (SC)	2024 OFF - Military - Generator (Military)	Aggregate	600 Diesel	5.00098E-05	5.95148E-05	7.2013E-05	0.00047795	0.000543831	0.277371521	1.63869E-05	1.50756E-05	2.724988-06	2.30107E-06	91469.9	777.45	2.57	270552.6		
Orange (SC)	2024 OFF - Military - Generator (Military)	Aggregate	750 Diesel	2.668586E-05	3.17538E-05	3.84275E-05	2.52860E-05	2.92698E-05	0.014047479	8.76388E-07	8.05197E-07	1.212888-07	481.8	1479.55	0.07	0	0		
Orange (SC)	2024 OFF - Military - Hydraulic unit	Aggregate	100 Diesel	2.684551E-05	3.19478E-05	3.86569E-05	0.000510578	0.000359266	0.08746878	1.56298E-05	1.43794E-05	1.026056-06	7.29071E-07	2898.1	886.95	2.97	84260.25		
Orange (SC)	2024 OFF - Military - Lift (Military)	Aggregate	25 Diesel	8.013456-07	9.53625E-07	1.15369E-06	1.52411E-05	1.07244E-05	0.002601098	4.66562E-07	4.29237E-07	1.062858-08	1.56098E-08	62.05	0.07	0	0		
Orange (SC)	2024 OFF - Military - Lift (Military)	Aggregate	50 Diesel	1.876541E-06	2.23309E-06	2.70204E-06	2.23189E-05	2.17523E-05	0.003435533	6.47358E-07	5.96020E-07	4.441286-08	2.93832E-08	116.8	58.4	0.17	2920		
Orange (SC)	2024 OFF - Military - Other tactical support equipment	Aggregate	100 Diesel	3.752283E-07	4.46618E-07

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	Equipment Type	Horsepower HP	Gas				Diesel				Natural Gas			
			Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	170141.1	1164.99	563136.6	0.302131135	8105.05	18.34	14921.2	0.54721135	0	0	0	0
Air Compressors50	Air Compressors	50	52293.55	48.28	23334.45	2.241044893	91947.15	110.75	90122.15	1.020250294	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	284032.05	156.52	75668.15	3.753653948	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	34839.25	10.53	5095.4	6.837391255	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	34762.6	107.12	42038.4	0.864560639	2942.2	160.39	64042.9	0.045920951	54297.4	122.45	45949.85	1.181666514
Aerial Lifts50	Aerial Lifts	50	73288.35	127.9	46212.65	1.585893687	123769.914	486.9597282	151383.7677	0.817590392	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	138031.052	390.4410868	121019.7505	1.140561424	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	131681.05	127.9	46212.65	2.849458968	77932.8089	199.4719415	61963.36999	1.257723852	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	13198.84279	20.45276582	6348.455084	2.079063749	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	788.7135999	0.689439155	215.1927294	3.665242855	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	560.1151647	0.229808384	71.73090847	7.808503805	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	4412.897	27.23	3365.3	1.311279826	3660.95	6.8	5515.35	0.663798809	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	682.55	2.49	273.75	2.493333333	2874.666832	6.83631777	2499.715676	1.149997532	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	1301.7702228	2.302725984	761.7449265	1.708954991	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	7862.1	11.5	1226.4	6.410714286	16512.88405	18.56572826	7806.091137	2.115384481	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	2741.15	2.82	295.65	9.271604938	20903.56215	16.47688264	5358.982388	3.900653863	0	0	0	0
Bore/Drill rigs300	Bore/Drill rigs	300	0	0	0	0	30388.85937	16.69674	5575.658758	5.396467582	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	43324.60012	13.38459479	4351.682172	9.955826207	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	34764.92384	9.382128792	2088.232242	16.64800797	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	15614.44894	0.431761122	323.4946019	48.26801852	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	14493.55	4102.51	377764.05	0.038365361	919.84	94.75	24644.45	0.03014074	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	130275.8	577.45	164100.35	0.793878887	306.6	0.67	197.85	0.770642202	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	15771.65	9.33	5701.3	2.766325244	4756.55	5.93	3468.2	1.378691983	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	15388.4	5.35	3265.75	4.710614525	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	55.22956152	0.271328152	133.4125255	0.413975804	0	0	0	0
Cranes50	Cranes	50	2299.5	2.82	1186.25	1.938461538	894.8059492	2.892019622	1207.749662	0.689508443	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	488.3494198	1.35566078	477.5489684	1.022597581	0	0	0	0
Cranes100	Cranes	100	7825.6	5.88	2354.25	3.324031008	21121.36207	34.52365137	16054.2587	1.315623781	0	0	0	0
Cranes175	Cranes	175	507.35	0.18	87.6	5.791666667	60888.47915	59.46744138	27676.81145	2.199743077	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	103826.6314	65.63130128	31847.83918	3.260083998	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	189065.2751	66.41407038	34732.16186	5.443678469	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	3676.29278	0.003760503	389.9506011	9.427585902	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	10277.02662	1.446018811	735.8899116	13.96544402	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	2897.981424	8.022119496	2812.030599	1.030561595	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	502.4550725	1.443801569	319.9254252	1.570518109	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	127521.8526	136.3590314	65608.71364	1.943672562	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	139654.8748	90.55840913	42173.11719	3.311468714	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	146340.3848	69.70352842	32158.10518	4.550653156	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	511936.2858	121.2846069	55921.87214	8.543190851	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	5159.124788	0.882132145	378.1878078	13.66178844	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	29740.43406	2.406335849	1368.460084	21.73277656	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	1945.49	6.86	1974.65	0.985212569	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	6099	3.31	795.7	7.614678899	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	11884.6	271.41	40785.3	0.140431144	938.2	4.08	2704.45	0.34688361	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	646.05	2.04	270.1	2.391891892	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	6593.973163	6.460743175	8834.158484	0.747009892	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	115565.8225	196.1870484	147433.6581	0.786562738	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	8876.390445	8.117503329	6034.528259	1.470033612	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	141333.513	131.4168353	88030.3609	1.605598773	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	317578.0878	180.9164433	109993.9312	2.887232806	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	404407.9917	155.3208784	92562.39092	4.321202498	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	717884.3058	163.5561804	107697.9511	6.666684146	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	10485.16191	1.446688573	862.6682813	12.15433804	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	20012.35862	1.205573811	840.5050534	23.80952564	0	0	0	0
Forklifts25	Forklifts	25	1511.1	2.45	2211.9	0.683368317	34.15139116	0.186209234	58.99668146	0.578259494	1438.1	1.17	1470.95	0.977667494
Forklifts50	Forklifts	50	1226108	427.72	768996.6	1.594525775	86777.16898	236.7634783	173020.4037	0.501542981	191147.7	755.47	141309.75	1.352092754
Forklifts75	Forklifts	75	0	0	0	0	4794.445787	15.32152413	6397.307126	0.749447493	0	0	0	0
Forklifts100	Forklifts	100	5692065.1	1513.2	2701681.4	2.10520979	1255855.6	1941.196868	1287507.122	0.970879402	11972878.69	2791.82	5029997.4	2.380494509
Forklifts175	Forklifts	175	3084883.75	55.32	98798.2	4.033360426	372509.6553	355.0774319	237170.1086	1.570643374	898619.05	102.18	184051.25	4.882439269
Forklifts300	Forklifts	300	0	0	0	0	73400.13378	44.80158113	12605.8206	2.251135301	0	0	0	0
Forklifts600	Forklifts	600	0	0	0	0	18875.51078	6.994561825	6878.272205	3.869298851	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	268.0949328	0.093104617	20.64883851	12.98535574	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	1381.347103	0.180569985	151.0573405	9.144522179	0	0	0	0
Generator Sets25	Generator Sets	25	2463338.85	30598.23	3515647.15	0.700638814	213791.45	1041.79	351692.1	0.607803808	0	0	0	0
Generator Sets50	Generator Sets	50	4041398.1	1588.34	182434.3	2.216078094	253333.6	537.45	181428.8	1.396505451	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	1826536.95	306.77	35218.85	5.186340533	0	0	0	0	16603.1	22.8	2617.05	6.26778242
Generator Sets175	Generator Sets	175	29080.8	20	3182.45	8.97261744	0	0	0	0	23721.35	18.85	2175.75	10.9026899
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	22.27846896	0.161531273	37.90960134	0.587673523	0	0	0	0
Graders50	Graders	50	0	0	0	0	745.0238917	2.342203464	848.0377819	0.878526768	0	0	0	0
Graders75	Graders	75	0	0	0	0	256.6041883	0.684593382	168.7924898	1.520245158	0	0	0	0
Graders100	Graders	100	0	0	0	0	17354.99754	21.72595627	9253.449364	1.875510563	0	0	0	0
Graders175	Graders	175	0	0	0	0	193562.8543	129.1442513	61449.18918	3.149960961	0	0	0	0
Graders300	Graders	300	0	0	0	0	400515.5398	113.152657	88100.77612	4.546106822	0	0	0	0
Graders600	Graders	600	0	0	0	0	25181.45227	4.361343824	3591.366008	7.011664169	0	0	0	0
Graders750	Graders	750	0	0	0	0	0	0	0	0	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	13878.23826	0.484591932	362.7001108	38.26367258	0	0	0	0
Pavers25	Pavers	25	11877.1	26.64	10559.45	1.124783961	1777.55	2.53	2095.1	0.848413056	0	0	0	0
Pavers50	Pavers	50	7383.95	8.09	3182.8	2.319954128	3178.377289	9.411991507	3430.498508	0.926505952	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	5240.007148	8.760092144	3407.673308	1.537798187	0	0	0	0
Pavers100	Pavers	100	6632.05	4.42	1744.7	3.80125521	25407.39814	36.78520014	14613.28121	1.738651145	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	41940.90003	31.11800522	12346.40796	3.397012412	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	31882.01447	14.6870203	6770.70861	4.708814869	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	6913.412319	1.960831564	888.8021917	7.778347514	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	1229.395628	0.156865529	76.28874878	16.11278884	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment25	Paving Equipment	25	252087.25	2916.71	551763.2	0.456875796	2102.4	4.42	3668.25	0.573134328	0	0	0	0
Paving Equipment50	Paving Equipment	50	8606.7	22.09	1869	2.224528302	3960.136256	11.58945519	5608.633862	0.706078585	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	4574860.257	1.174606945	370.9542215	1.231816427	0	0	0	0
Paving Equipment100	Paving Equipment	100	3555.1	5.71	1003.75	1.541818182	16911.32874	21.53446065	10326.03512	1.637736892	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	17530.63459	11.86038195	6540.940483	2.6801397	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	11586.39663	5.794737958	2751.89421	4.210376543	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	13282.97644	3.758742223	1838.241074	7.225916661	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	2458.523603	0.301595648	209.7827728	11.71917794	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	1161.437718	0.156614259	74.98149044	15.4886616	0	0	0	0
Rollers25	Rollers	25	58741.1	315.59	78588.15	0.747480177	38820.45559	146.0106783	101521.7843	0.382387425	0	0	0	0
Rollers50	Rollers	50	9661.55	5.48	3560.5	2.728855979	65264.9016	237.9200545	84625.27803	0.771222398	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	651.4146756	2.010957905	473.3576876	1.376139964	0	0	0	0
Rollers100	Rollers	100	30112.5	10.7	6653.95	4.525507485	101283.5181	175.4753796	59807.70248	1.693486188	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	105415.1784	102.6228182	37811.33875	2.787929049	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	17822.74019	13.31192217	4225.474713	4.217927524	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	9842.485439	4.598666024	1436.545911	6.851493824	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	0	0	0	0	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	34.11539116	0.186209234	58.99668146	0.578259494	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	1554.6	1.33	467.2	3.328125	3286.051013	10.61392636	2979.273127	1.10082713	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	110.3295821	0.372418469	85.32668188	1.293025581	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	34064.5	16.16	6679.5	5.098360656	261248.9412	489.7884055	130309.2477	2.004869807	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	1912.6	0.6	213.6	8.1875	55381.75934	74.48369374	21136.21665	2.620238491	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	4326.361969	3.817289304	981.2547458	4.404801209	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	1425.097978	0.65573233	171.4183358	8.313575287	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	268.0949328	0.093104617	20.64883851	12.98535574	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	2877.76851	3.147069593	3070.250958	0.937317878	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	3561.384678	2.993554009	2394.087788	1.488410197	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	85763.84732	5.680076828	4975.128143	1.722959496	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	13012.41229	5.526561236	4462.47876	2.915968314	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	13320.01303	4.144929027	2981.44091	4.467642105	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	145701.5241	25.8677904	19283.93579	7.558702655	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	5395.210692	0.383788975	396.3125008	13.61352631	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Scrapers25	Scrapers	25	0	0	0	0	23.17754987	0.079104296	33.41682436	0.693589241	0	0	0	0
Scrapers50	Scrapers	50	0	0	0	0	184.4752268	0.47462727	174.6029274	1.056542216	0	0	0	0
Scrapers75	Scrapers	75	0	0	0	0	1680.931993	2.135815996	1001.483662	1.678441753	0	0	0	0
Scrapers100	Scrapers	100	0	0	0	0	7626.402738	5.695509323	3342.239388	2.282422809	0	0	0	0
Scrapers175	Scrapers	175	0	0	0	0	87532.76019	47.06705622	20937.49697	4.180569755	0	0	0	0
Scrapers300	Scrapers	300	0	0	0	0	127834.8452	54.26556716	23537.04743	5.431218406	0	0	0	0
Scrapers600	Scrapers	600	0	0	0	0	143247.589	27.72232451	13614.9872	10.52402545	0	0	0	0
Scrapers750	Scrapers	750	0	0	0	0	34773.45204	4.429840584	2268.816727	15.32669842	0	0	0	0
Scrapers9999	Scrapers	9999	0	0	0	0	19407.10008	2.0567117	838.5766411	19.83883918	0	0	0	0
Skid Steer Loaders25	Skid Steer Loaders	25	192329.45	551.08	175955.55	1.093057022	171093.75	326.53	272582	0.627678098	0	0	0	0
Skid Steer Loaders50	Skid Steer Loaders	50	45975.4	77.64	24082.7	1.909083333	49386.9382	164.7336638	53277.65547	0.926972736	0	0	0	0
Skid Steer Loaders75	Skid Steer Loaders	75	0	0	0	0	26276.7809	51.36303112	19704.4028	1.334053505	0	0	0	0
Skid Steer Loaders100	Skid Steer Loaders	100	61495.2	46.45	14413.85	4.266396556	92.81916301	0.245017844	57.50297508	1.614162796	0	0	0	0
Skid Steer Loaders175	Skid Steer Loaders	175	0	0	0	0	1772.787518	2.305160597	611.8316548	2.897647597	0	0	0	0
Skid Steer Loaders300	Skid Steer Loaders	300	0	0	0	0	1647.137352	1.188414495	420.8259393	3.914058516	0	0	0	0
Skid Steer Loaders600	Skid Steer Loaders	600	0	0	0	0	475.5940819	0.163345228	52.71106048	9.022661169	0	0	0	0
Skid Steer Loaders750	Skid Steer Loaders	750	0	0	0	0	0	0	0	0	0	0	0	0
Skid Steer Loaders9999	Skid Steer Loaders	9999	0	0	0	0	641.7821287	0.163345229	33.83001703	19.02940217	0	0	0	0
Surfacing Equipment25	Surfacing Equipment	25	123074.35	787.16	336800.1	0.365425546	0	0	0	0	0	0	0	0
Surfacing Equipment50	Surfacing Equipment	50	0	0	0	0	457.4913882	2.889658838	721.7313618	0.632131496	0	0	0	0
Surfacing Equipment75	Surfacing Equipment	75	0	0	0	0	278.7901329	1.111409168	277.1811126	1.005883494	0	0	0	0
Surfacing Equipment100	Surfacing Equipment	100	0	0	0	0	2647.828742	6.964830788	2030.954188	1.416157941	0	0	0	0
Surfacing Equipment175	Surfacing Equipment	175	0	0	0	0	2331.024219	2.074487584	1082.289127	2.153782702	0	0	0	0
Surfacing Equipment300	Surfacing Equipment	300	0	0	0	0	6889.948892	5.112482175	1277.486973	5.514677776	0	0	0	0
Surfacing Equipment600	Surfacing Equipment	600	0	0	0	0	16066.39966	8.743085458	2556.361066	6.284871055	0	0	0	0
Surfacing Equipment750	Surfacing Equipment	750	0	0	0	0	7055.399316	2.299012281	706.7770581	9.982499387

Orange (SC)	2025 Agricultural - Combine Harvesters	Aggregate	300 Diesel	8.50527E-05	0.000102914	0.000122476	0.000404873	0.001003819	0.026474567	3.874066E-05	3.56414E-05	2.438611E-07	2.17531E-07	6.113.860168	1129.547109	3.013415565	265139.6444	
Orange (SC)	2025 Agricultural - Combine Harvesters	Aggregate	400 Diesel	1.468171E-05	1.80606E-05	2.142197E-05	0.000121786	0.000149694	0.007989145	6.388181E-06	5.870358E-06	7.391455E-08	6.56453E-08	1851.041686	211.7268574	0.516218421	76521.88638	
Orange (SC)	2025 Agricultural - Construction Equipment	Aggregate	50 Diesel	0.000140846	0.000170423	0.000202818	0.000551357	0.000504574	0.007932807	1.917585E-05	3.62257E-05	6.960916E-08	6.51808E-08	1837.942399	1777.949592	4.550831554	788072.2684	
Orange (SC)	2025 Agricultural - Construction Equipment	Aggregate	75 Diesel	9.88866E-05	0.000119629	0.000142358	0.000548824	0.000484257	0.012369851	5.78245E-05	5.31981E-05	1.170986E-07	1.05981E-07	2986.401175	2022.20869	5.518968331	1274224.657	
Orange (SC)	2025 Agricultural - Construction Equipment	Aggregate	100 Diesel	0.000189763	0.000229614	0.000273259	0.001394819	0.001408814	0.031147528	0.000124126	0.000114196	2.842131E-07	2.55927E-07	7216.532958	3666.400358	7.605283369	309031.5133	
Orange (SC)	2025 Agricultural - Construction Equipment	Aggregate	175 Diesel	0.000369462	0.000447049	0.000532025	0.002985861	0.003139953	0.067159799	0.000191415	0.00017611	6.13820E-07	5.51663E-07	15555.52405	6067.604181	10.08858698	742633.3285	
Orange (SC)	2025 Agricultural - Construction Equipment	Aggregate	300 Diesel	0.000203883	0.000246672	0.00029355	0.000841689	0.002082229	0.044622773	8.88424E-05	8.17496E-05	1.691136E-07	1.5081E-07	10408.10228	2514.036986	4.529554446	494404.2516	
Orange (SC)	2025 Agricultural - Construction Equipment	Aggregate	600 Diesel	2.329060E-05	2.81816E-05	3.353849E-05	9.7704SE-05	0.000211898	0.004545481	9.172038E-06	8.43831E-06	3.974698E-08	3.57051E-08	1006.799077	137.1659514	0.155471608	48426.65569	
Orange (SC)	2025 Agricultural - Cotton Pickers	Aggregate	100 Diesel	1.989796E-05	2.40764E-05	2.865296E-05	1.32121E-05	1.954477E-05	0.000825585	1.487786E-06	1.368766E-06	7.624495E-09	6.78351E-09	191.2788068	82.17569423	0.182360822	7395.81248	
Orange (SC)	2025 Agricultural - Cotton Pickers	Aggregate	175 Diesel	6.087555E-06	7.36593E-06	8.766076E-06	0.000101902	6.02888E-05	0.00259119	1.499388E-06	3.21943E-06	2.393496E-08	2.12908E-08	600.3496006	208.3673879	0.457614131	25514.07781	
Orange (SC)	2025 Agricultural - Cotton Pickers	Aggregate	300 Diesel	7.137316E-06	8.63598E-06	1.027913E-05	4.493E-06	6.45473E-05	0.002883888	3.07911E-06	2.83278E-06	3.38508E-08	2.74302E-08	773.4669557	134.5598815	0.282537774	32823.31626	
Orange (SC)	2025 Agricultural - Cotton Pickers	Aggregate	600 Diesel	1.225456E-05	1.48288E-05	1.76465E-05	7.6845E-05	0.000127804	0.005831753	5.322822E-06	4.897E-06	5.391156E-08	4.79172E-08	1351.151736	178.9431551	0.389785317	57965.86496	
Orange (SC)	2025 Agricultural - Forage & Silage Harvesters	Aggregate	100 Diesel	5.657416E-07	6.84549E-07	8.1467E-07	4.38633E-06	4.932512E-06	0.000101	4.026899E-07	2.68772E-07	9.302691E-10	8.26945E-10	0.023.0.0	0.0	0.000000000	0.0	
Orange (SC)	2025 Agricultural - Forage & Silage Harvesters	Aggregate	175 Diesel	5.277312E-07	6.38358E-07	7.597245E-07	2.27E-06	4.587216E-06	0.000944993	2.425688E-07	2.50731E-07	6.191356E-09	5.50392E-09	154.8.0.0	0.0	0.000000000	0.0	
Orange (SC)	2025 Agricultural - Forage & Silage Harvesters	Aggregate	300 Diesel	4.74477E-06	5.74472E-06	6.83669E-06	2.8458BE-05	5.37408E-05	0.00183955	2.140545E-06	1.96913E-06	1.697950E-08	1.51153E-08	426.2100725	43.42495468	0.10070644	18520.49198	
Orange (SC)	2025 Agricultural - Forage & Silage Harvesters	Aggregate	750 Diesel	7.183976E-06	8.70402E-06	1.035626E-05	5.8834E-05	7.498315E-05	0.003058838	3.251E-06	2.92468E-06	3.57046E-08	3.17148E-08	894.2810521	63.52901874	0.139460693	38256.57969	
Orange (SC)	2025 Agricultural - Forklifts	Aggregate	9999 Diesel	4.62910E-06	5.60121E-06	6.6659E-06	3.67713E-05	0.000103345	0.002194727	2.117585E-06	1.96657E-06	2.215011E-08	1.96765E-08	554.831295	27.73161107	0.060771986	21849.20272	
Orange (SC)	2025 Agricultural - Forklifts	Aggregate	25 Diesel	1.191476E-05	1.44168E-05	1.716255E-05	5.36384E-05	0.000144565	0.003081557	1.32163E-06	7.23488E-06	4.924E-08	4.38.9322777	1244.731887	1.0.0	0.000000000	0.0	
Orange (SC)	2025 Agricultural - Forklifts	Aggregate	75 Diesel	1.007676E-06	1.21928E-06	1.451058E-06	6.2018E-06	8.4512E-06	0.00013156	5.520175E-07	5.078566E-07	1.394275E-09	1.08098E-09	30.48106527	20.11582555	0.023906823	1307.98661	
Orange (SC)	2025 Agricultural - Forklifts	Aggregate	100 Diesel	3.826786E-06	4.63041E-06	5.5107E-06	2.4644E-06	2.74138E-06	5.228688E-05	2.329988E-07	2.14358E-07	4.75381E-10	4.2962E-10	12.11439851	0.679668516	0.002796894	153.60716	
Orange (SC)	2025 Agricultural - Hay Squeeze/Stack retriever	Aggregate	75 Diesel	5.810E-07	7.03119E-07	8.3702E-07	4.5351E-06	2.84807E-06	4.288707E-06	5.57018E-05	3.46518E-07	1.824727E-07	1.67847E-07	51.57766E-10	4.72.47E-10	13.32252001	0.014990514	544.2287795
Orange (SC)	2025 Agricultural - Hay Squeeze/Stack retriever	Aggregate	100 Diesel	1.24658E-06	1.50830E-06	1.795076E-06	6.28553E-06	8.74291E-06	0.000125289	7.938555E-07	7.30346E-07	1.123718E-09	1.02945E-09	29.02813665	15.30051394	0.026054669	1185.78983	
Orange (SC)	2025 Agricultural - Hay Squeeze/Stack retriever	Aggregate	175 Diesel	1.662976E-06	2.01228E-06	2.394648E-06	7.7780E-06	1.16655E-05	0.000277207	1.647971E-06	1.51599E-06	1.883388E-08	1.72466E-08	481.2422783	167.2767831	0.384292535	20943.16314	
Orange (SC)	2025 Agricultural - Hay Squeeze/Stack retriever	Aggregate	300 Diesel	3.602668E-05	4.35924E-05	1.387966E-05	0.000124784	0.000363159	0.005468376	1.547831E-05	1.42398E-05	4.981622E-08	4.49315E-08	1266.961292	242.1904467	0.410198788	57442.92067	
Orange (SC)	2025 Agricultural - Hay Squeeze/Stack retriever	Aggregate	600 Diesel	8.554546E-06	1.03515E-05	1.230E-05	5.40072E-05	8.4719E-05	0.001939871	1.613223E-06	1.12417E-06	1.241508E-08	1.12.9447E-08	321.9443755	45.41022197	0.077669102	14386.36205	
Orange (SC)	2025 Agricultural - Nut Harvester	Aggregate	50 Diesel	2.639233E-05	3.19347E-05	3.80049E-05	0.000322085	0.000356358	0.007887086	9.529255E-06	8.76691E-06	7.26174E-08	6.48051E-08	1827.349306	1767.521234	4.561443238	70890.81724	
Orange (SC)	2025 Agricultural - Nut Harvester	Aggregate	75 Diesel	1.666154E-05	2.01604E-05	2.399225E-05	0.000294328	0.000278994	0.007586204	7.677444E-06	7.05773E-06	7.010888E-08	6.23232E-08	1757.638386	1568.204155	2.666951559	68508.21261	
Orange (SC)	2025 Agricultural - Nut Harvester	Aggregate	100 Diesel	1.146786E-05	1.38934E-05	1.653225E-05	0.000202648	0.000192144	0.005219156	5.196943E-06	4.77139E-06	2.270504E-07	2.10558E-07	5936.085944	2807.863727	4.991702128	230941.9976	
Orange (SC)	2025 Agricultural - Nut Harvester	Aggregate	175 Diesel	4.198464E-05	5.08036E-05	6.046059E-05	0.000928601	0.000898915	0.024100354	2.195454E-05	2.019385E-05	2.230505E-07	1.98023E-07	5583.781615	1894.689606	3.85418619	234256.589	
Orange (SC)	2025 Agricultural - Nut Harvester	Aggregate	300 Diesel	2.164664E-05	2.61932E-05	3.116852E-05	0.000478913	0.000463116	0.012370245	1.131672E-05	1.04122E-05	8.084922E-07	7.18.9E-07	20.24.0.0	0.0	0.000000000	0.0	
Orange (SC)	2025 Agricultural - Nut Harvester	Aggregate	600 Diesel	1.66750E-05	2.01768E-05	2.401212E-05	0.000157411	0.000161359	0.012315581	6.874076E-06	6.32414E-06	1.141275E-07	1.01192E-07	285.3818987	137.3892096	0.381676357	122651.4911	
Orange (SC)	2025 Agricultural - Nut Harvester	Aggregate	750 Diesel	1.389240E-05	1.68108E-05	2.000E-05	8.41931E-05	0.000133998	0.00134597	5.724276E-06	5.26705E-06	1.024E-07	9.08.0.0	0.0	0.0	0.000000000	0.0	
Orange (SC)	2025 Agricultural - Other Harvesters	Aggregate	75 Diesel	2.05415E-05	2.48553E-05	2.95798E-05	0.000209305	0.000198882	0.004695871	9.213223E-06	8.47617E-06	4.309061E-08	3.85841E-08	1087.980583	631.5326069	0.451455185	42430.60106	
Orange (SC)	2025 Agricultural - Other Harvesters	Aggregate	100 Diesel	5.687084E-06	6.88134E-06	8.189366E-05	0.000579788	0.000550952	0.012336278	3.537031E-05	3.25404E-05	1.214981E-07	1.08757E-07	6066.45792	1385.124409	1.150521736	118616.6868	
Orange (SC)	2025 Agricultural - Other Harvesters	Aggregate	175 Diesel	2.452621E-05	5.15705E-05	6.139E-05	0.000357588	0.000369592	0.012382768	2.257355E-05	7.95199E-05	7.132608E-08	2.01124754E-08	1664.330115	0.9981683E-08	3.88111.88855		
Orange (SC)	2025 Agricultural - Other Harvesters	Aggregate	300 Diesel	3.711056E-05	4.51457E-05	5.372715E-05	0.000157927	0.00003673	0.009343291	1.513111E-05	1.41046E-05	8.669048E-08	7.75179E-08	2185.819498	436.1283159	0.663130421	93268.20669	
Orange (SC)	2025 Agricultural - Other Harvesters	Aggregate	600 Diesel	1.376518E-05	1.68158E-05	1.981E-05	8.8309E-05	0.000134514	0.003383193	5.479E-06	5.10.9E-06	3.107622E-08	2.77984E-08	781.8477418	87.90807859	0.159273466	33985.02222	
Orange (SC)	2025 Agricultural - Others	Aggregate	50 Diesel	1.007166E-05	1.21866E-05	1.45031E-05	4.7249E-05	4.42987E-05	0.000755292	2.906831E-06	2.67427E-06	6.731676E-09	6.21118E-09	175.1403585	166.9366194	0.31805347	7512.147873	
Orange (SC)	2025 Agricultural - Others	Aggregate	75 Diesel	1.912766E-05	2.31498E-05	2.754203E-05	1.38216E-05	1.768E-05	0.000311881	1.102322E-06	1.01498E-06	2.846964E-09	2.56103E-09	72.24423446	47.65281831	0.086517702	3097.424266	
Orange (SC)	2025 Agricultural - Others	Aggregate	100 Diesel	7.567BE-06	9.15704E-06	1.089766E-05	5.69301E-05	5.954564E-05	0.001281901	4.916946E-06	4.51807E-06	1.170438E-08	1.05329E-08	297.0020104	146.3103445	0.293537566	12739.05689	
Orange (SC)	2025 Agricultural - Others	Aggregate	175 Diesel	2.173681E-06	2.63033E-06	3.13018E-05	0.000187582	0.000201667	0.004402471	1.774075E-06	1.08015E-05	4.022398E-08	3.61734E-08	1026.003463	381.4778955	0.772466147	48607.76563	
Orange (SC)	2025 Agricultural - Others	Aggregate	300 Diesel	2.406586E-05	2.9649E-05	3.553BE-05	0.000212908	0.000260747	0.005760389	1.119470E-05	1.01045E-05	1.694E-07	1.51.9E-07	2.0.0	0.0	0.000000000	0.0	
Orange (SC)	2025 Agricultural - Others	Aggregate	600 Diesel	1.000115341	0.000119563	0.000166091	0.000697376	0.00122228	0.029173195	5.187256E-05	4.77227E-05	2.680718E-07	2.39706E-07	6759.148308	862.650712	1.74724824	322302.6985	
Orange (SC)	2025 Agricultural - Sprayers/Spray rigs	Aggregate	50 Diesel	2.42508E-05	2.94645E-05	3.5065E-05	0.000155918	0.000237045	0.005275242	1.009E-05	9.28.9E-06	1.530944E-08	1.4235E-08	401.3927849	615.0608459	0.779602129	16118.7158	
Orange (SC)	2025 Agricultural - Sprayers/Spray rigs	Aggregate	75 Diesel	6.962286E-06	8.42416E-06	1.002757E-05	4.7478E-05	6.30022E-05	0.001406631	4.012348E-06	3.69135E-06	9.662978E-09	8.7148E-09	245.7163881	166.3029957	0.299586114	10035.37015	
Orange (SC)	2025 Agricultural - Sprayers/Spray rigs	Aggregate	100 Diesel	1.538835E-05	1.86824E-05	2.222E-05	0.000109859	0.000139164	0.002432005	9.848404E-06	9.06247E-06	2.217446E-08	1.98.6E-08	563.4681837	262.7631792	0.482.9.9276		
Orange (SC)	2025 Agricultural - Sprayers/Spray rigs	Aggregate	175 Diesel	2.586866E-05	3.13009E-05	3.7250E-05	0.000215016	0.000241222	0.00501005	1.38966E-05	1.27843E-05	4.58955E-08	4.1165E-08	1160.772318	431.1939966	0.772192256	51727.98346	
Orange (SC)	2025 Agricultural - Sprayers/Spray rigs	Aggregate	300 Diesel	1.131272E-05	1.36884E-05	1.629E-05	4.9883E-05	0.000120499	0.002554677	5.186099E-06	4.77121E-06	2.336383E-08	2.0925E-08	590.6945556	122.278762	0.220803172	26065.73893	
Orange (SC)	2025 Agricultural - Sprayers/Spray rigs	Aggregate	600 Diesel	8.446022E-07	4.10E-07	4.922E-07	2.6870E-06	3.681E-06	8.46682E-05	2.560E-07	1.45.49E-07	7.847392E-10	6.87458E-10	19.84661822	0.0	0.004912041	880.1208729	
Orange (SC)	2025 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	50 Diesel	3.505432E-06	4.24158E-06	1.047816E-06	3.1010SE-05	3.250461E-05	0.000653088	1.218795E-06	1.12128E-06	5.973455E-09	5.36616E-09	151.112829	124.1691575	0.286171686	5510.224779	
Orange (SC)	2025 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	75 Diesel	5.258148E-06	6.36248E-06	6.244E-06	9.2215E-05	4.875E-05	0.001756561	1.827892E-06	1.68213E-06	8.960355E-09	8.04924E-09	226.6679446	186.2546241	0.429434423	16088.77648	
Orange (SC)	2025 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	100 Diesel	2.203822E-05	2.66662E-05	3.1734E-05	0.000135886	0.000199013	0.008809061	1.531188E-05	1.40687E-05	8.209168E-08	7.30530E-08	2059.935985	873.9805601	1.892215814	79940.7092	
Orange (SC)	2025 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	175 Diesel	1.107716E-05	1.34055E-05	1.595136E-05	0.000199217	0.000100971	0.004484017	5.980716E-06	5.49835E-06	4.469569E-08	4.1655E-08	1167.4075	376.624681	0.785969698	41553.7583	
Orange (SC)	2025 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	300 Diesel	4.387996E-06	5.30947E-06	6.318716E-06	2.9528E-05	4.35778E-05	0.00214703	1.808959E-06	1.66428E-06	1.985108E-08	1.76413E-08	497.4427307	95.74141426	0.200422786	19697.50232	
Orange (SC)	2025 AirGroup - A/C Tug Narrow Body	Aggregate	25 Diesel															
Orange (SC)	2025 AirGroup - A/C Tug Narrow Body	Aggregate	50 Diesel	2.217476E-05	2.68314E-05	3.19316E-05	0.000105387	9.068788E-05	0.009912211	8.804944E-06	8.10055E-06	9.097818E-08	8.08021E-08	321.5907547	242.1092396	0.754082626	10444.37816	
Orange (SC)	2025 AirGroup - A/C Tug Narrow Body	Aggregate	75 Diesel	1.536790E-06	1.85951E-06	2.212976E-06	1.53881E-05	1.84466E-05	0.002015024	1.308945E-06	1.20078E-06	2.123240E-08	1.87845E-08	74.66968624	45.02008118	0.150816525	2695.31072	
Orange (SC)	2025 AirGroup - A/C Tug Narrow Body	Aggregate	100 Diesel	4.693645E-06	5.67908E-06	7.758757E-06	0.000157004	0.000175014	0.010375492	1.102879E-06	1.01.9E-06	9.506515E-08	8.4047E-08	1040.525669	1351.725131	4.021776003	129041.4679	
Orange (SC)	2025 AirGroup - A/C Tug Narrow Body	Aggregate	175 Diesel	8.496966E-05	0.000102813	0.000122356	0.000164084	0.00124438	0.281116436	6.099515E-05	5.61155E-05	2.596515E-06	2.29443E-06	91265.51163	2472.343436	7.440281906	329332.6717	
Orange (SC)	2025 AirGroup - A/C Tug Narrow Body	Aggregate	300 Diesel	4.704470E-05	4.71243E-05	5.6135E-05	0.000283219	0.000628242	0.01760945	3.316611E-05	3.05124E-05	1.411623E-06	1.24755E-06	49626.59886	1344.185242	4.045.0227	179116.4409	
Orange (SC)	2025 AirGroup - A/C Tug Narrow Body	Aggregate	750 Diesel	8.819666E-07	1.0671BE-06	1.27003E-06	1.8008SE-05	4.9756E-06	0.010095634	1.702455E-07	1.56625E-07	9.331278E-08	8.23992E-08	327.5417322	16.89656413	0.050272175	11827.59489	
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	25 Diesel															
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	50 Diesel	7.456616E-07	9.02195E-07	1.07369E-06	1.4591E-05	1.109465E-05	0.002153062	4.834463E-08	4.44768E-08	1.988388E-08	1.7573E-08	69.85736727	46.70181853	0.154587356	2265.038199	
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	75 Diesel	1.496683E-06	1.81092E-06	2.155156E-06	1.7490E-05	1.815dE-05	0.00253568	1.226276E-06	1.12817E-06	2.330867E-08	2.06959E-08	82.26735452	46.70181853	0.154587356	2965.565476	
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	100 Diesel	3.981468E-06	4.81764E-06	6.244E-06	9.2215E-05	4.603E-05	0.013756565	4.850435E-06	4.46.9E-06	1.270670E-07	1.1227E-07	446.3165915	186.8072741	0.458349423	16088.77648	
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	175 Diesel	1.039178E-05	1.43925E-05	2.002009E-05	0.000113852	0.000613585	5.367326E-05	4.937946E-06	3.38431E-07	2.990310E-07	1188.666104	280.2109112	0.687524134	42848.9185		
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	300 Diesel	5.138660E-06	6.2150E-06	7.879E-06	0.000642304	0.000419996	0.000420885	1.814E-06	1.48245E-06	3.183498E-05	3.11683E-05	12.41945676	3670.709576	9.014.0.0	43153.7683	
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	600 Diesel	4.08822E-05	4.94674E-05	5.88703E-05	0.000449032	0.000488791	0.170069704	1.956145E-05	1.79965E-05	1.571156E-06	1.38809E-06	5517.224236	539.3100413	1.375048269	198906.5637	
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	750 Diesel	8.04898E-06	9.7392E-06	1.159050E-05	2.8604BE-05	0.000179519	0.013779727	4.739622E-06	4.36045E-06	1.271598E-07	1.12468E-07	447.0680577	25.59003755	0.114587356	16121.72366	
Orange (SC)	2025 AirGroup - Baggage Tug	Aggregate	25 Diesel															
Orange (SC)	2025 AirGroup - Baggage Tug	Aggregate	50 Diesel	2.10527E-05	2.54737E-05	3.031595E-05	0.000191175	0.000152926	0.021752527	9.140198E-06	8.40897E-06	2.020481E-07	1.77541E-07	705.736796	740.7176381	1.009717856	33274.22747	
Orange (SC)	2025 AirGroup - Baggage Tug	Aggregate	75 Diesel	4.945424E-06	5.98374E-06	7.12114E-06	0.000365541	0.000363158	0.156469868	2.311466E-06	2.12705E-06	4.756797E-08	4.1824E-08	1647.2.0.0	5076.490537	5.359273697	26608.4225	
Orange (SC)	2025 AirGroup - Baggage Tug	Aggregate	100 Diesel	6.29652E-06	7.61878E-06	9.066999E-05	0.000100546	0.00079513	0.151596232	2.506660E-05	2.30613E-05	1.434838E-06	1.26832E-06	5041.659771	2951.306777	1.987091021	264260.3985	
Orange (SC)	2025 AirGroup - Baggage Tug	Aggregate	175 Diesel	9.57456E-07	1.1582E-06	1.37816E-06	1.1167E-05	6.67652E-06	0.001795361	6.854072E-07	6.30794E-07	1.657038E-08	1.46.2485168	58.24851068	25.12203222	0.051780404	1523.559462	
Orange (SC)	2025 AirGroup - Baggage Tug	Aggregate	300 Diesel	4.45968E-06	5.39621E-06	6.421948E-06	1.8304E-05	8.9156E-05	0.008188584	2.323355E-06	2.13748E-06	7.557355E-08	6.6834E-08	265.6689335	77.36165793	0.103560806	13925.09843	
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	25 Diesel															
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	50 Diesel	1.625158E-05	1.96645E-05	2.340240E-05	0.000118096	9.378975E-05	0.013497105	6.00260E-06	5.52239E-06	1.24E-07	1.101628E-07	437.8986974	505.6185105	0.967548807	22705.43124	
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	75 Diesel	6.020810E-06	7.28518E-06	8.669966E-05	0.000579744	0.000616074	0.082362851	4.550595E-06	4.18656E-05	7.596798E-07	6.72235E-07	2672.171982	2449.08966	4.688565435	153945.0359	
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	100 Diesel	2.44369E-05	3.19915E-05	3.807E-05	0.000490644	0.000352788	0.077886301	1.979644E-05	1.82.9E-05	6.03705E-07	2.9971593673	1609.363192	3.114297723	1.183181.7306		
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	175 Diesel	4.882E-06	5.90734E-06	7.032E-06	4.1900E-05	4.72303E-05	0.009501824	1.366221E-06	3.096910E-06	5.441808E-08	4.8169E-08	191.4783026	85.75527621	0.181453401	11038.12205	
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	300 Diesel	1.216622E-05	1.47160E-05	1.751365E-05	8.7219E-05	2.253889E-05	0.004452463	5.904775E-07	4.81287E-06	2.634003E-07	2.34.4552737	1.0.0	0.0	0.000000000	0.0	
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	600 Diesel	3.77006E-07	4.56177E-07	5.428892E-07	6.94613E-06	1.91196E-06	0.001864157	6.638655E-08	6.10755E-08	3.552988E-08	3.13755E-08	124.7194489	15.80057845	0.0302359	7189.263196	
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	750 Diesel	3.92508E-06	4.74935E-06	5.65212E-06	6.0560BE-05	5.239858E-05	0.00225448	2.665501E-06	2.45266E-06	2.07392E-08	1.84008E-08	71.14410354	6.752383954	0.030235	4228.239971	
Orange (SC)	2025 AirGroup - Bobtail	Aggregate	50 Diesel	2.37606E-07	2.38458E-07	2.837738E-07	1.5452E-06	4.161E-06	0.000478278	1.602028E-07	1.47.9E-07	4.450610E-09	3.90364E-09	15.51721763	29.26364966	0.057128723	731.5910115	
Orange (SC)	2025 AirGroup - Bobtail	Aggregate	75 Diesel	2.586322E-06	3.12944E-06	3.7242E-06	2.2662BE-05	1.772E-05	0.003017663	7.039101E-07	6.47588E-07	2.782222E-08	2.46298E-08	97.90474552	101.6928883	0.249003151	4616.42617	
Orange (SC)	2025 AirGroup - Bobtail	Aggregate	75 Diesel	1.006555E-06	1.21792E-06	1.449442E-06	2.5469E-05	6.9E-06	0.001699583	7.875757E-07	3.84482E-07	1.103778E-08	1.01.9E-08	120.0378448	87.79092137	0.186751148	6291.682699	
Orange (SC)	2025 AirGroup - Bobtail	Aggregate	100 Diesel	1.451670E-07	1.75652E-07	2.090410E-07	8.0411E-06	3.47958E-06	0.001076692	2.318710E-08	2.13322E-08	1.272388E-08	1.1236E-08	44.66524605	29.26364046	0.062520383	2341.091237	
Orange (SC)	2025 AirGroup - Bobtail	Aggregate	175 Diesel	6.13816E-06	7.4271E-06	8.841E-06	7.5806E-05	6.47188E-05	0.001455325	4.037115E-06	3.71454E-06	1.055492E-07	9.4273E-08	371.6886246	160.2201869	0.273502258	19447.39208	
Orange (SC)	2025 AirGroup - Bobtail	Aggregate	300 Diesel	9.77916E-06	1.1832E-05	1.408196E-05	0.000104903	0.000106258	0.051239399	3.815555E-06	3.51031E-06	4.734E-07	4.1820E-07	1662.40588	423.5923934	0.933755742	87135.79118	
Orange (SC)	2025 AirGroup - Cargo Loader	Aggregate	25 Diesel	3.931568E-07	4.759E-07	5.66432E-07	9.3088E-06	7.890496E-06	0.001601749	1.021788E-07	2.78188E-08	1.479732E-08	1.3073E-08	51.96698978	107.9481115	0.221729935	2698.702787	
Orange (SC)	2025 AirGroup - Cargo Loader	Aggregate	50 Diesel	1.259128E-06	1.5238E-06	1.813366E-06	8.7219E-06	1.185895E-05	0.000452463	1.546482E-06	1.36488E-06	4.906E-08	4.33.9E-08	1.0.0	0.0	0.000000000	0.0	
Orange (SC)	2025 AirGroup - Cargo Loader	Aggregate	75 Diesel	1.895158E-05	7.13316E-05	8.489056E-05	0.001260164	0.000871451	0.192838262	3.265260E-05	3.00404E-05	1.781126E-06	1.57392E-06	6256.42505	4198.834914	8.924628882	361106.2399	
Orange (SC)	2025 AirGroup - Cargo Loader	Aggregate	100 Diesel	5.623649E-06	6.6952E-06	8.106250E-05	0.001188204	0.000826361	0.030054966	1.569722E-06	1.44.9E-06	2.07392E-08	2.5355E-06	10076.01659	4492.225997	1.0.0	58188.61	
Orange (SC)	2025 AirGroup - Cargo Loader	Aggregate	300 Diesel	5.181322E-06	6.27181E-06	7.463976E-06	5.6545BE-05	4.452195E-05	0.029076955	1.578E-06	1.45178E-06	2.886758E-07	2.37322E-07	943.3697241	255.2626214	0.554324837	54461.80294	
Orange (SC)	2025 AirGroup - Cargo Loader	Aggregate	600 Diesel	1.202683E-05	1.8752BE-05	4.434787E-05	0.049116E-05	1.380775E-05	0.027217582	4.916156E-07	4.52288E-07	2.524660E-07	2.22965E-07	886.2117263	161.9223872	0.322960747	40444.6	
Orange (SC)	2025 AirGroup - Cargo Loader	Aggregate	750 Diesel	3.78309E-06	4.5775E-06	5.447656E-06

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	Equipment Type	Horsepower HP	Gas				Diesel				Natural Gas			
			Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	171306.05	1171.5	566312.1	0.302144966	8208.85	18.43	15008.8	0.546935798	0	0	0	0
Air Compressors50	Air Compressors	50	52698.7	48.55	23469.5	2.245412131	92432.6	111.35	90667.75	1.019689954	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	285619.8	157.42	76091.55	3.753633618	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	35047.3	10.59	5113.65	6.853675949	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	34959.7	107.71	40438.35	0.864518458	29585.9	161.28	64400.6	0.459419833	54815.1	121.58	46376.9	1.181961278
Aerial Lifts50	Aerial Lifts	50	73722.2	128.69	46479.1	1.586147322	125209.2928	490.5481246	153144.2445	0.817590392	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	133855.8983	376.4187119	117057.8466	1.143502143	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	112432.05	128.02	46479.1	2.869301084	84619.45069	217.8413333	68052.22695	1.243430405	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	13352.33518	20.60348423	6422.282717	2.079063769	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	797.9959648	0.694596403	217.6952534	3.665242855	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	566.6288734	0.231499823	72.56503879	7.808503805	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	4431.1	27.37	3405.45	1.301378992	3712.105	6.88	5602.75	0.662540717	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	6895.85	2.49	277.6	2.486842105	2755.079055	6.486891802	2381.613672	1.15681288	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	1161.133949	1.980109687	687.3345125	1.689128749	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	7862.1	11.47	1230.05	6.391691395	15780.04377	17.75360409	7460.741745	2.115077686	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	2737.5	2.84	292	9.375	19997.07955	15.70511131	5122.983658	3.903404606	0	0	0	0
Bore/Drill rigs300	Bore/Drill rigs	300	0	0	0	0	28700.86945	15.84157765	5314.651981	5.400324807	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	39726.57274	12.42752286	4034.851533	9.845857379	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	34751.58998	9.462437725	2999.902688	16.53650945	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	14879.14517	0.409698556	308.2625284	48.26777113	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	14569.85	4125.58	379884.7	0.183395146	9583.5	36	28820.4	0.330547112	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	131009.45	580.71	165016.5	0.793937279	308.6	0.67	401.5	0.768636364	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	15771.65	4.34	1701.1	2.765152296	4825.6	6.04	3498.7	1.379956446	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	15388.4	5.35	3286.75	4.71681452	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	52.62902095	0.257273772	127.1300598	0.413975834	0	0	0	0
Cranes50	Cranes	50	2308.8	2.84	1171.65	1.968847352	852.0852718	2.744253564	1238.54278	0.688068799	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	466.2430113	1.238368858	455.8715679	1.022753867	0	0	0	0
Cranes100	Cranes	100	7821.05	5.67	2361.55	3.312210201	20133.50478	32.75952852	15319.54758	1.3142362	0	0	0	0
Cranes175	Cranes	175	507.05	0.16	87.6	5.791666667	58002.26993	56.42871139	26353.13478	2.201342289	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	99501.30111	62.51752665	30484.27488	3.264014698	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	75995.03026	66.66147459	32960.89736	5.648573875	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	35310.92574	0.857579239	372.397839	9.427883853	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	9795.558012	1.372128792	701.5429578	13.96002698	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	2761.946713	7.611248223	2679.4638	1.031537959	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	1898.758693	3.653395146	1126.076782	1.684935348	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	120147.4376	127.1078453	61696.80981	1.947364932	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	133064.4622	85.93099241	40188.9678	3.311713986	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	139081.6871	65.91340959	30584.17364	4.547505154	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	487048.1579	117.0608979	57071.4988	8.536650098	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	6115.872174	0.989462269	450.3410219	13.58053538	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	28341.00958	2.283374668	1304.114409	21.73152957	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	1952.75	6.89	1692.9	0.97985348	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	6062.65	3.32	792.05	7.654377881	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	13939.05	274.98	41030.45	0.339980415	999	4.13	2737.5	0.346666667	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	649.7	2.04	270.1	2.405405405	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	6681.429572	6.522529398	8950.091882	0.746744414	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	110506.6112	186.1620809	140489.527	0.786582956	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	1568.780161	1.982881648	1084.112005	1.447054569	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	141673.4611	132.3192177	88554.87816	1.599838158	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	50263.8151	171.6717939	104813.4959	2.38740021	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	385611.1329	347.9534798	89160.42042	4.324936865	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	678159.4261	154.3597098	10214.135	6.641190525	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	16179.54802	2.211675684	1334.312502	12.12575315	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	19070.34994	1.143970182	800.9290106	23.81028704	0	0	0	0
Forklifts25	Forklifts	25	1518.6	2.46	2222.85	0.683087028	43.86950541	0.265094119	75.89532895	0.578029452	1456.35	1.39	1481.4	0.982758621
Forklifts50	Forklifts	50	12339.62	430.12	773321.85	1.595665249	87581.90379	237.7962704	174836.0555	0.500937312	1931393.85	803.02	1446735.9	1.335000998
Forklifts75	Forklifts	75	0	0	0	0	3811.955918	13.15720006	5066.875265	0.752328747	0	0	0	0
Forklifts100	Forklifts	100	5725605.8	1521.62	2718865.75	2.105879574	126310.43	1931.04875	1300790.654	0.964962376	1208701.8	2818.49	5077177.4	2.380471509
Forklifts175	Forklifts	175	4007460.8	55.62	99356.65	4.0333568	372860.776	351.7448313	238331.0373	1.564405869	907174.65	103.15	185810.55	4.882255878
Forklifts300	Forklifts	300	0	0	0	0	74004.78002	44.5669931	32928.0543	2.247468962	0	0	0	0
Forklifts600	Forklifts	600	0	0	0	0	19011.31972	7.008381932	4924.838948	3.860232679	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	255.4714073	0.088147032	63.07656679	12.98353574	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	1397.411207	0.187939779	152.8140213	9.144522179	0	0	0	0
Generator Sets25	Generator Sets	25	2475784.05	30770.29	3535441.1	0.700275836	214985	1047.62	3536777	0.607855683	0	0	0	0
Generator Sets50	Generator Sets	50	4695577.65	1597.27	183456.3	2.216207075	254634	540.46	182452.75	1.395883978	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	1883587	308.5	35441.5	5.180020597	0	0	0	0	16501.65	22.95	2628	6.279166667
Generator Sets175	Generator Sets	175	30057.75	29.14	3347.05	8.980370774	0	0	0	0	23845.45	19.86	2197.3	10.85215947
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	0	0	0	0	0	0	0	0
Graders50	Graders	50	0	0	0	0	609.5463862	1.992603405	741.1862512	0.822932883	0	0	0	0
Graders75	Graders	75	0	0	0	0	352.1016361	0.796385925	256.123335	1.374734701	0	0	0	0
Graders100	Graders	100	0	0	0	0	16318.06492	20.53914328	8720.927308	1.871138709	0	0	0	0
Graders175	Graders	175	0	0	0	0	184735.6131	122.6983866	58663.89316	3.149051329	0	0	0	0
Graders300	Graders	300	0	0	0	0	380203.7493	107.2173909	83613.52182	4.547150282	0	0	0	0
Graders600	Graders	600	0	0	0	0	25824.48437	6.291751181	3752.983537	6.883057396	0	0	0	0
Graders750	Graders	750	0	0	0	0	0	0	0	0	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	13224.76719	0.459833555	345.6220208	38.26367258	0	0	0	0
Pavers25	Pavers	25	13946.45	26.8	10614.2	1.125155818	1869.1	2.59	2157	0.851724138	0	0	0	0
Pavers50	Pavers	50	7391.25	8.1	1164.55	6.346401186	9026.701077	8.931048047	3269.05765	0.926475367	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	4434.294444	7.516965544	2893.77416	1.532356499	0	0	0	0
Pavers100	Pavers	100	6617.45	4.43	1741.05	3.800838576	24729.36451	35.57534139	14261.63025	1.733979801	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	4001.53399	29.62130936	11782.75426	1.39080381	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	31234.1501	14.14082607	6556.006839	4.764203435	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	5740.702447	1.637358806	742.5849468	7.742821179	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	1171.498744	0.148858803	72.61840498	16.13224873	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment25	Paving Equipment	25	2534851.05	2933.13	554865.7	0.456834059	2140.541899	4.564305713	3740.512478	0.572258902	0	0	0	0
Paving Equipment50	Paving Equipment	50	8614	22.11	3854.4	2.234848485	3761.536721	10.92239977	5327.033105	0.706122272	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	535.2988306	1.203197117	429.3183988	1.25017451	0	0	0	0
Paving Equipment100	Paving Equipment	100	3558.75	5.71	996.45	3.571428571	15593.71721	19.76531959	9532.041747	1.635926239	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	17185.34561	13.67225114	6464.731235	2.658573549	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	11042.11174	5.498622743	2621.880636	4.211523433	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	12739.93162	3.566674212	1757.177755	7.249659924	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	2270.229185	0.371528564	194.1258181	11.69462855	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	1108.750231	0.148611425	71.45093009	15.486659	0	0	0	0
Rollers25	Rollers	25	5907	317.86	79033.45	0.074740587	39331.17519	147.9165557	102869.4928	0.382418858	0	0	0	0
Rollers50	Rollers	50	97119.95	5.67	3544.15	2.742533471	62192.78451	225.7628596	80635.73844	0.771280647	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	620.7613394	1.913893353	651.0691555	1.376139664	0	0	0	0
Rollers100	Rollers	100	30141.7	10.69	6653.95	4.529895759	96559.18839	166.5087215	56988.97925	1.694348443	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	110461.3446	97.37489169	36032.39049	2.788119402	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	17162.24778	12.70825185	4055.562777	4.231775849	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	9212.25851	4.287121105	1339.224329	6.878801671	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	0	0	0	0	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	43.86950541	0.26504119	75.89532895	0.578029452	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	1558.55	1.11	463.55	3.362204724	3122.04764	9.983218152	2837.288747	1.100174319	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	1161.133949	3.353382253	811.4109923	1.431276912	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	34054.5	16.19	6679.5	5.098360656	249667.4602	428.1949099	124528.3062	2.004905293	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	1908.95	0.6	229.95	8.301587302	520443.92622	693.0874049	197841.8394	2.630545573	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	4124.299274	3.622229595	936.7715124	4.406945451	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	1357.971614	0.618429443	163.242628	8.31873164	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	255.4714079	0.088147053	19.67656679	12.98353574	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	2742.166647	2.986257448	2925.942512	0.937187459	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	3391.971995	2.694935258	2238.101421	1.490539294	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	8813.171052	5.754082576	5070.231818	1.738403816	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	11820.10964	5.025652779	1970.321198	2.977116725	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	19927.10059	4.297287304	3042.327925	4.57777916	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	137407.1073	24.18140178	18174.4092	7.560474244	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	5341.274181	0.864177788	377.4557202	13.81352619	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Scrapers25	Scrapers	25	0	0	0	0	22.08621115	0.075062145	31.84335892	0.693581041	0	0	0	0
Scrapers50	Scrapers	50	0	0	0	0	175.7893016	0.450172866	166.3815594	1.056543216	0	0	0	0
Scrapers75	Scrapers	75	0	0	0	0	1410.276999	1.726429331	833.5883736	1.691814622	0	0	0	0
Scrapers100	Scrapers	100	0	0	0	0	7528.244008	5.779785152	3332.319058	2.259168894	0	0	0	0
Scrapers175	Scrapers	175	0	0	0	0	95452.20213	48.79039414	22696.17717	4.205651083	0	0	0	0
Scrapers300	Scrapers	300	0	0	0	0	109752.4585	47.28915125	19658.85145	5.582853018	0	0	0	0
Scrapers600	Scrapers	600	0	0	0	0	136770.3491	263.1678796	129878.6231	10.53083499	0	0	0	0
Scrapers750	Scrapers	750	0	0	0	0	30403.93835	3.903219531	1989.060034	15.28550104	0	0	0	0
Scrapers9999	Scrapers	9999	0	0	0	0	31834.88997	1.951615786	799.0914019	39.83893858	0	0	0	0
Skid Steer Loaders25	Skid Steer Loaders	25	1934717.15	554.19	176933.75	1.093181423	1733202.25	330.81	276159	6.627610862	0	0	0	0
Skid Steer Loaders50	Skid Steer Loaders	50	45988.7	77.63	24093.65	1.907882744	47018.16465	156.5359365	50767.83612	0.92621423	0	0	0	0
Skid Steer Loaders75	Skid Steer Loaders	75	0	0	0	0	249764.5685	504.2099568	185532.5279	1.346203663	0	0	0	0
Skid Steer Loaders100	Skid Steer Loaders	100	614810.6	46.45	14413.85	4.265383641	88.44697369	0.232497674	54.7953885	1.614161798	0	0	0	0
Skid Steer Loaders175	Skid Steer Loaders	175	0	0	0	0	1689.399519	2.09247903	583.0220316	2.897655344	0	0	0	0
Skid Steer Loaders300	Skid Steer Loaders	300	0	0	0	0	1570.131487	1.317486823	401.0109182	3.915433281	0	0	0	0
Skid Steer Loaders600	Skid Steer Loaders	600	0	0	0	0	453.2002198	0.15499845	50.22910614	9.022661376	0	0	0	0
Skid Steer Loaders750	Skid Steer Loaders	750	0	0	0	0	0	0	0	0	0	0	0	0
Skid Steer Loaders9999	Skid Steer Loaders	9999	0	0	0	0	611.4688867	0.15499845	32.27953537	19.02940227	0	0	0	0
Surfacing Equipment25	Surfacing Equipment	25	1237657.85	791.6	338683.5	0.365438088	0	0	0	0	0	0	0	0
Surfacing Equipment50	Surfacing Equipment	50	0	0	0	0	434.8680322	2.742008473	689.8194305	0.630409473	0	0	0	0
Surfacing Equipment75	Surfacing Equipment	75	0	0	0	0	265.2628506	1.054617298	263.7983506	1.005551607	0	0	0	0
Surfacing Equipment100	Surfacing Equipment	100	0	0	0	0	2821.155702	6.819858279	1984.125114	1.421855399	0	0	0	0
Surfacing Equipment175	Surfacing Equipment	175	0	0	0	0	2115.446892	3.860932995	961.4775786	2.195641116	0	0	0	0
Surfacing Equipment300	Surfacing Equipment	300	0	0	0	0	4235.739359	4.85123939	1207.225429	3.508656509	0	0	0	0
Surfacing Equipment600	Surfacing Equipment	600	0	0	0	0	15341.6787	8.296122438	2439.96569	6.287648808	0	0	0	0
Surfacing Equipment750	Surfacing Equipment	750	0	0	0	0	7014.020993	2.249850152	698.0217094	10.04842833	0	0	0	0
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Orange (SC)	2026 Agricultural - Combine Harvesters	Aggregate	300 Diesel	8.06683E-05	9.76086E-05	0.000116162	0.000395963	0.000948725	0.026379892	3.58914E-05	3.30201E-05	2.43109E-07	2.16752E-07	6.11178596	1125.512615	3.007899914	2609255.6
Orange (SC)	2026 Agricultural - Combine Harvesters	Aggregate	600 Diesel	1.41796-05	1.7156E-05	2.0417E-05	0.000120178	0.000132501	0.007957781	5.69491E-06	5.23931E-06	7.36421E-08	6.53863E-08	1.84173947	210.8177886	0.515220787	76221.75
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	50 Diesel	0.000114346	0.000162559	0.000193459	0.00056294	0.000469142	0.007924965	3.74543E-05	3.44578E-05	6.97313E-08	6.51164E-08	1836.125539	1776.288317	4.588371541	78732.15
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	175 Diesel	0.000114346	0.000162552	0.000135983	0.000584689	0.000820998	0.012889566	5.47354E-05	5.03566E-05	1.17137E-07	1.05909E-07	2986.367606	2020.825079	5.516679986	127338
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	100 Diesel	0.000179076	0.000216682	0.000257869	0.001385952	0.001377818	0.031095203	0.000116265	0.000106964	2.84047E-07	2.55497E-07	7204.409557	3660.138972	7.599089001	308516.2
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	175 Diesel	0.000352455	0.000426471	0.000507536	0.002979449	0.002902129	0.066976302	0.000179539	0.000165175	6.12839E-07	5.5031BE-07	15517.65763	8053.467049	10.14978164	740828.5
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	300 Diesel	0.000395232	0.000236225	0.000281128	0.000822254	0.003942725	0.044889575	8.31743E-05	7.65202E-05	4.11953E-07	3.68864E-07	10400.41084	2512.214602	4.524820284	494043.3
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	600 Diesel	2.23423E-05	2.70342E-05	3.2178E-05	9.2213E-05	0.000198073	0.004434047	8.58495E-06	7.89816E-06	3.97527E-08	3.56851E-08	1006.235286	137.0828619	0.155423024	48392.61
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	100 Diesel	1.82446-05	2.20752E-05	2.6271BE-05	3.3003E-05	1.77778E-05	0.000821841	1.31401E-06	1.20889E-06	7.59457E-09	6.75275E-09	190.4114444	81.80302825	0.182423997	7162.273
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	175 Diesel	5.702031E-06	6.89944E-06	8.2109E-06	0.000101592	5.37005E-05	0.002583296	3.13459E-06	2.88382E-06	2.387E-08	2.12259E-08	598.5205907	207.7425538	0.455917447	25438.11
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	300 Diesel	6.81606E-06	8.24596E-06	9.8092E-06	4.47832E-05	6.84045E-05	0.003145113	2.86215E-06	2.56976E-06	3.08141E-08	2.73826E-08	772.1305755	134.3630308	0.292208827	33183.89
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	600 Diesel	1.17283E-05	1.4191E-05	1.6888E-05	7.6589E-05	0.000114646	0.005819885	4.83466E-06	4.4477E-06	5.38166E-08	4.78196E-08	1348.397498	178.583034	0.383974109	57847.86
Orange (SC)	2026 Agricultural - Forage & Silage Harvesters	Aggregate	100 Diesel	5.24468E-07	6.3460BE-07	7.5523E-07	4.3663E-06	4.57216E-06	0.000101751	3.74246E-07	3.44282E-07	9.31314E-10	8.3604E-10	23.57453439	11.39388912	0.031109972	911.5155
Orange (SC)	2026 Agricultural - Forage & Silage Harvesters	Aggregate	175 Diesel	4.99873E-07	6.0479E-07	7.1987E-07	2.2119E-06	6.28845E-06	0.000164954	2.25868E-07	2.07792E-07	1.92858E-09	1.7312E-09	48.81655908	16.94514397	0.064425374	1437.626
Orange (SC)	2026 Agricultural - Forage & Silage Harvesters	Aggregate	600 Diesel	4.52039E-06	5.4696E-06	6.5093E-06	2.7761E-05	4.90631E-05	0.001832078	1.96679E-06	1.80945E-06	1.80915E-08	1.5053E-08	424.4719243	43.26585199	0.107497542	18449.43
Orange (SC)	2026 Agricultural - Forage & Silage Harvesters	Aggregate	1000 Diesel	7.04606E-06	8.5257E-06	1.0147E-05	4.5978E-05	7.69606E-05	0.002852889	3.05642E-06	2.81227E-06	2.83041E-08	2.3537E-08	661.0144922	67.31144291	0.167299477	28734.4
Orange (SC)	2026 Agricultural - Forage & Silage Harvesters	Aggregate	9999 Diesel	4.39977E-06	5.3217E-06	6.3356E-06	3.6312BE-05	0.000101168	0.002291289	1.94453E-06	1.78989E-06	2.21249E-08	1.96483E-08	554.0343463	27.6917978	0.063727649	21814.95
Orange (SC)	2026 Agricultural - Forklifts	Aggregate	50 Diesel	1.13882E-05	1.3779E-05	1.639E-05	5.2986E-05	4.7864E-05	0.000815757	3.11794E-06	2.86881E-06	7.25068E-09	6.67024E-09	188.9332285	64.59191276	0.159135127	5447.83
Orange (SC)	2026 Agricultural - Forklifts	Aggregate	75 Diesel	9.74598E-07	1.1792BE-06	1.4024E-06	6.1683BE-06	8.23241E-06	0.00013156	5.23599E-07	4.81711E-07	1.19526E-09	1.0809BE-09	30.48106531	20.11382561	0.023908823	1307.399
Orange (SC)	2026 Agricultural - Forklifts	Aggregate	100 Diesel	1.66494E-06	4.4345BE-07	5.2775E-07	2.4515E-06	2.5779E-06	5.2288E-05	2.20566E-07	2.03261E-07	4.75665E-10	4.2913E-10	12.14426941	6.709689661	0.027969842	519.6072
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	75 Diesel	5.51782E-07	6.6795E-07	7.9456E-07	2.4966E-06	4.69931E-06	0.000133145	5.5E-07	5.06427E-07	8.05094E-07	7.39257E-07	2.597E-06	5.344985356	0.014957354	541.8186
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	100 Diesel	1.17786E-06	1.4252E-06	1.6961E-06	6.2102E-06	8.21594E-06	0.000124772	7.51096E-07	6.91008E-07	1.12598E-09	1.0252E-09	28.90816128	15.237277	0.026000827	1180.889
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	175 Diesel	1.58577E-05	1.9187E-05	2.2835E-05	0.000116145	0.000116026	0.006206013	2.98262E-05	2.74458E-05	1.70003E-08	1.57045E-08	409.3682407	166.6247947	0.367824707	16702.49
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	300 Diesel	3.41972E-06	4.1591E-06	4.9496E-06	0.000119596	0.000341391	0.005449366	1.44482E-05	1.33384E-05	4.96888E-08	4.47753E-08	1262.556983	241.3459389	0.409478356	57241.7
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	600 Diesel	8.18523E-06	9.9041E-06	1.1782E-05	5.1212E-05	0.000178504	0.008134884	2.19944E-05	2.03148E-05	1.34405E-07	1.21299E-07	3.26660E+03	1.44103E-07	0.621.468444	45.222958
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	50 Diesel	2.52993E-06	3.0612E-06	3.643 1E-06	0.000320736	0.000344793	0.007885225	8.39763E-06	7.72582E-06	7.26328E-08	6.47898E-08	1826.918131	1767.10967	4.560501553	70874.19
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	75 Diesel	1.62837E-05	1.9703E-05	2.3448E-05	0.000294005	0.000279361	0.007581664	6.74318E-06	6.20381E-06	7.09565E-08	6.2312E-08	1757.049499	1047.818281	2.666445397	103628.45
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	100 Diesel	2.17116E-05	3.5796E-05	4.2598E-05	0.000390134	0.000372481	0.010107548	8.99345E-06	8.27175E-06	9.46093E-08	8.3083E-08	2343.872	1396.425091	3.554847581	138171.3
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	175 Diesel	3.79368E-05	4.814 2E-05	5.7292E-05	0.000928052	0.000314413	0.02409183	1.91027E-05	1.75745E-05	2.23041E-07	1.97953E-07	5583.806596	1894.013145	3.854894985	234172.2
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	300 Diesel	2.05897E-05	2.6135E-05	3.1091E-05	1.7384E-05	1.8012E-05	0.013560673	2.75041E-07	2.53027E-07	1.20014E-08	1.0649E-08	300.3857326	76.43041051	0.154317051	9373.885
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	600 Diesel	1.58256E-05	1.9149E-05	2.2788E-05	0.000157333	0.000140306	0.012131187	5.88238E-06	5.41179E-06	1.141E-07	1.0017E-07	285.827178	377.3158308	0.881599631	122627.6
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	1000 Diesel	1.13127E-05	1.3712BE-05	1.6315E-05	8.3684E-05	7.121E-05	0.0013465	3.12604E-06	2.87679E-06	1.21884E-08	1.0811E-08	311.8647645	113.7016468	0.249182774	34612.87
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	75 Diesel	1.99404E-05	2.4172BE-05	2.8714E-05	0.000208713	0.000134995	0.004960169	8.22303E-06	7.56519E-06	4.30556E-08	3.8537E-08	1086.659467	630.7464361	0.451170546	42378.07
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	100 Diesel	5.34238E-05	6.4642BE-05	7.6930E-05	0.000594473	0.000350479	0.011237089	2.20582E-05	2.02959E-05	2.21603E-07	1.9876E-07	5602.364469	1385.409707	1.150378169	118641.2
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	175 Diesel	4.09713E-06	4.8972BE-05	5.7128E-05	0.000455965	0.000258065	0.008576925	1.69076E-05	1.55602E-05	2.10732E-07	1.8896E-07	5327.045695	1064.854068	0.998107071	88074.86
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	300 Diesel	3.56689E-05	4.3183E-05	5.1392E-05	0.000514804	0.000203848	0.009041474	1.42172E-05	1.30798E-05	8.65267E-08	7.7330E-08	2180.532915	435.0851129	0.642335279	93043.75
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	600 Diesel	1.31844E-05	1.5915E-05	1.8986E-05	0.000190261	0.000124599	0.003316035	5.25E-06	4.83115E-06	3.09172E-08	2.7691E-08	780.8225479	87.56552573	0.138999172	33852.71
Orange (SC)	2026 Agricultural - Others	Aggregate	50 Diesel	5.97526E-06	1.1586E-05	1.3788E-05	4.6648E-05	4.32772E-05	0.000755923	2.73447E-06	2.51571E-06	6.74058E-09	6.2111BE-09	175.1403573	166.9366189	0.318053469	7512.148
Orange (SC)	2026 Agricultural - Others	Aggregate	75 Diesel	1.81236E-05	2.3515E-05	2.7170E-05	2.6188E-05	1.7760E-05	0.000311686	1.03445E-06	9.51852E-07	2.84605E-09	2.5610187E-09	72.24423333	47.6528809	0.090317707	3424.424
Orange (SC)	2026 Agricultural - Others	Aggregate	100 Diesel	7.17434E-06	8.6809BE-06	1.0311E-05	5.6677E-05	5.5557E-05	0.001281901	4.61452E-06	4.24536E-06	1.17161E-08	1.0532BE-08	297.0020261	146.3103546	0.293537565	12739.06
Orange (SC)	2026 Agricultural - Others	Aggregate	175 Diesel	2.07559E-05	2.5114E-05	2.9886E-05	0.000187078	0.000190329	0.004024475	1.10516E-05	1.01675E-05	4.02534E-08	3.6173E-08	1020.203466	381.4779988	0.772446146	48637.77
Orange (SC)	2026 Agricultural - Others	Aggregate	300 Diesel	2.30535E-05	2.8581E-05	3.4061E-05	0.000243404	0.000156039	0.002404304	5.00756039	4.60596E-06	4.73777E-08	4.1535-06419	1292.429753	292.628692	0.587075125	63702.21
Orange (SC)	2026 Agricultural - Others	Aggregate	600 Diesel	0.000110932	0.000134228	0.000159743	0.00067348	0.000144114	0.029731397	4.87647E-05	4.48635E-05	2.68204E-07	2.39706E-07	6759.146835	862.6507559	1.747248239	323302.7
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	50 Diesel	2.31885E-05	2.8053E-05	3.3391E-05	0.000138446	1.4012E-05	0.953052	0.001786847	0.000164	1.54144E-08	1.4221E-08	401.4214845	0.001204985	0.779228001	16303.61
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	75 Diesel	6.67098E-06	8.0718E-06	9.6062E-06	4.7163E-05	6.1112E-05	0.001589932	3.77842E-06	3.47615E-06	9.65588E-09	8.7008E-09	245.342687	166.0451016	0.299349713	10019.33
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	100 Diesel	1.46092E-05	1.7677E-05	2.1053E-05	0.000103874	0.000111256	0.003428703	9.28677E-06	8.54188E-06	2.16668E-08	1.9975E-08	562.7031033	262.431252	0.571853991	23133.52
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	175 Diesel	2.47145E-05	2.9904E-05	3.5588E-05	0.000214023	0.000227949	0.005058577	1.31032E-05	1.20549E-05	4.58508E-08	4.1131E-08	1159.805436	430.8249154	0.771851942	51683.11
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	300 Diesel	1.6814E-05	1.3080E-05	1.5566E-05	4.8617E-05	0.000127855	0.002545814	4.85445E-06	4.46609E-06	2.31318E-08	2.0884E-08	588.8621662	222.0499985	0.225597523	35616.35
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	600 Diesel	2.29637E-07	3.1958E-07	4.7467E-07	2.2682E-06	3.4178E-06	8.31E-05	1.34262E-07	1.23547E-07	1.64045E-10	1.5096E-10	4.256225	0.846316	0.019451981	306.8823
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	50 Diesel	1.28045E-06	1.3693E-06	1.6238E-06	3.7423BE-06	3.0645E-05	3.14161E-05	0.00065039	1.09116E-06	1.00387E-06	5.9550BE-09	5.344E-09	150.687972	123.6563373	0.285580552	5487.457
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	75 Diesel	1.92662E-06	2.0605E-06	2.4433E-06	5.6313BE-06	4.6115E-05	4.72677E-05	0.000978561	1.64178E-06	1.51058E-06	8.9615BE-09	8.038E-09	1.137327E-07	452.0922466	0.429159173	16296.98
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	100 Diesel	2.04607E-05	2.4775E-05	2.9463E-05	0.000357 12	0.000175139	0.008861731	1.35894E-05	1.25023E-05	8.18669E-08	7.2813 4E-08	2055.165052	871.0912213	1.890407306	74692.67
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	175 Diesel	1.04214E-05	1.2619E-05	1.5008E-05	0.000194697	0.000116	0.004966316	5.31401E-06	4.88972E-06	4.68080E-08	4.1554E-08	1172.644282	459.1441769	0.945220714	35718.68
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	300 Diesel	4.17259E-06	5.0488E-06	6.0085E-06	2.9347 1E-05	3.8699E-05	0.002140381	1.61952E-06	1.48995E-06	1.97964E-08	1.7586 7E-08	495.9022814	95.44236403	0.202010991	19636.13
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	25 Diesel	2.2824E-05	2.7617E-05	3.2867E-05	0.000108386	9.2263E-05	0.010040482	9.02532E-06	8.30329E-06	9.21445E-08	8.1049 1E-08	325.7523663	245.2423842	0.760305808	10579.54
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	50 Diesel	1.14148E-05	1.3809E-05	1.6436E-05	5.4202E-05	4.6183E-05	0.005021	4.51526E-06	4.15417E-06	4.60904E-08	4.0525E-08	162.9116	122.6215	0.380252	5293.1
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	75 Diesel	3.11488E-06	3.7690E-06	4.4854E-06	1.4796E-05	1.2609E-05	0.001370	1.23259E-06	1.13398E-06	1.25802E-08	1.1052E-08	44.46	33.48	0.103	1444.9
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	100 Diesel	4.65052E-06	5.6271E-06	6.6975E-06	2.2092E-05	1.8824E-05	0.002045	1.83972E-06	1.69261E-06	1.87787E-08	1.6501E-08	66.4	49.96	0.154	2157.4
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	175 Diesel	8.13393E-06	9.8408E-06	1.1711E-05	3.8635E-05	3.2915E-05	0.003576	3.21598E-06	2.95844E-06	3.28144E-08	2.8833E-08	116.1	87.33	0.269	3770.1
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	300 Diesel	1.39272E-05	1.6855E-05	2.0059E-05	6.6169E-05	5.6372E-05	0.006126	5.50775E-06	5.06772E-06	5.62192E-08	4.9388E-08	198.9	149.5	0.461	6457.9
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	600 Diesel	2.38407E-05	2.8848E-05	3.4338E-05	0.000113	9.6525E-05	0.010489	9.43139E-06	8.67824E-06	9.62357E-08	8.4578E-08	340.5	256	0.789	11057.2
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	750 Diesel	2.82368E-05	3.4167E-05	4.0668E-05	0.000133	0.000114	0.012419	1.11702E-05	1.02744E-05	1.13938E-07	1.0011E-07	402.9	302.9	0.933	13082.1
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	1000 Diesel	3.34037E-06	4.0418E-06	4.8103E-06	1.7645E-05	6.1605E-05	0.00829	1.61887E-06	1.48936E-06	7.65868E-08	6.7698E-08	269.1068772	78.36272245	0.104421637	14105.3
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	25 Diesel														
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	50 Diesel	1.67342E-05	2.0248E-05	2.4097E-05	0.000122093	9.5579E-05	0.013617767	6.12614E-06	5.63605E-06	1.259E-07	1.1158 7E-07	443.565416	512.1615712	0.979591389	22995.29
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	75 Diesel	6.10925E-06	7.3921BE-06	8.7971E-06	0.000624293	0.000643095	0.089097886	4.47667E-05	4.11854E-05	8.21723E-07	7.2701E-07	2890.00463	2608.823004	4.969418639	166926.5
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	100 Diesel	2.49806E-05	3.0229E-05	3.5972E-05	0.000932	0.000337778	0.048252	1.74715E-05	1.60783E-05	6.30281E-07	5.5707E-07	2214.385617	1466.144066	2.885797706	127646
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	175 Diesel	5.09963E-06	6.1705E-06	7.3434E-06	4.8249 1E-05	5.0289E-05	0.006919585	3.44215E-06	3.16678E-06	1.6222E-08	1.4469E-08	572.4983094	202.8700592	0.211410616	12941.52
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	300 Diesel	1.28862E-06	1.5589E-06	1.8556E-06	8.9191E-06	1.2771E-05	0.004510083	6.08156E-07	5.59506E-07	4.38594E-09	3.9112E-09	146.324627	32.01009842	0.060979443	3666.661
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	600 Diesel	4.1098E-07	4.9732E-07	5.9181E-07	7.0989E-06	1.9488E-06	0.001893903	6.83493E-08	6.28813E-08	3.59887E-08	3.1781 5E-08	126.3134066	16.0050491	0.030487231	7282.297
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	750 Diesel	3.97588E-06	4.8108E-06	5.7252E-06	6.1346E-05	5.3076E-05	0.002283654	2.70041E-06	2.48437E-06	2.09942E-08	1.8638E-08	74.09064181	63.89764573	0.030487231	4274.853
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	25 Diesel	2.28633E-05	2.7668E-05	3.2918E-05	0.000108	9.2463E-05	0.010058	9.04064E-06	8.31743E-06	9.23127E-08	8.1925E-08	326.3	245.6	0.762	10599.1
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	50 Diesel	2.52516E-06	3.0554E-06	3.6362E-06	2.1766E-05	1.7731E-05	0.003056713	7.20171E-07	6.62741E-07	2.81851E-08	2.4948 5E-08	99.17176	103.0886662	0.251071113	4676.166
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	75 Diesel	1.06422E-05	1.2879E-05	1.5324E-05	9.1417E-05	8.3477E-05	0.014397738	3.38232E-06	3.11272E-06	1.46178E-08	1.2948 1E-08	521.9212233	385.9295791	1.188303485	6173.102
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	100 Diesel	1.47046E-07	1.7792E-07	2.1174E-07	8.1451E-06	3.5249E-06	0.001394507	2.34872E-06	2.16082E-06	1.28885E-08	1.1381 0E-08	45.24124589	29.64231264	0.067576728	2371.387
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	175 Diesel	3.67605E-06	4.4494E-06	5.2945E-06	3.5791E-05	1.2915E-05	0.005138306	8.41515E-06	7.74199E-06	1.08019E-07	9.5407E-08	372.8657705	135.4072112	0.162.2951435	7669.06
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	300 Diesel	9.95376E-06	1.2044E-05	1.4334E-05	0.000106381	0.000108042	0.051902473	3.88417E-06	3.57344E-06	4.79565E-07	4.2362 1E-07	1683.915887	429.0745252	0.941517425	88263.39
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	25 Diesel	4.33131E-07	5.2408BE-07	6.2370E-07	9.7616BE-06	8.0610E-07	0.001622477	1.18404E-08	2.59116E-08	1.49876E-08	1.3242 4E-08	52.63947934	109.3450363	0.223578302	2733.626
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	50 Diesel	1.40665E-06	4.1218E-06	4.9057E-06	1.9857E-05	2.3165E-05	0.003145511	8.84966E-07	7.84167E-07	5.49423E-08	4.8559E-08	159.9975473	221.2266441	0.503159331	8308.467
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	100 Diesel	6.17807E-07	7.4754E-07	8.8964E-07	1.0027E-05	0.000883228	0.191985103	3.35396E-07	3.08564E-07	1.79034E-06	1.5821 4E-06	628.0390889	4225.834545	8.942921069	362990.9
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	175 Diesel	1.59078E-06	4.2124E-06	5.0135E-06	2.0297E-05	0.000694419	0.313168827	3.43225E-06	3.15772E-06	2.72146E-07	2.4039 3E-07	955.577949	458.5659801	0.955932567	55166.58
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	300 Diesel	5.46469E-06	6.6171E-06	8.8740E-06	5.7620E-05	4.5241E-05	0.02845321	1.61566E-06	1.48635E-06	2.72146E-07	2.4039 3E-07	955.577949	258.5659801	0.553932567	55166.58
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	600 Diesel	1.43846E-06	4.1581E-06	4.9659E-06	1.5560E-05	1.4067E-05	0.027078884	1.05272E-06	9.6848E-07	2.55E-07	2.2537E-07	897.760838	164.0175546	0.335355564	51704.75
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	750 Diesel	4.04368E-06	4.8926E-06	5.8226E-06	5.7248E-05	1.5574BE-05	0.030414604	5.65471E-07	5.20233E-07	2.81077E-07	2.4824 7E-07	986.7683262	82.08877223	0.16767977	56908.76
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	25 Diesel	9.59465E-07	1.1609E-06	1.3814E-06	1.6186E-05	1.0812E-05	0.002007845	5.44606E-08	5.01037E-08	1.85347E-08	1.6387 7E-08	65.14226774	125.3052355	0.177310923	3132.631
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	50 Diesel	1.48702E-05	1.7992E-05	2.1413E-05	0.000213109	7.7462E-05	0.010380574	5.34427E-06	4.91676E-06	9.55284E-08	8.4423 1E-08	336.7496554	674.3477642	0.779955753	16194.71
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	75 Diesel	8.12305E-06	9.8288E-06	0.000116972	0.000117604	0.000833544	0.167276195	4.80282E-05	4.41859E-05	1.54411E-06	1.3652 9E-06	5427.093918	4768.560352	6.959453721	290325.7
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	100 Diesel	2.95683E-05	3.5781E-05	4.2588E-05	0.000821 19	0.000307211	0.059707728	9.62531E-06	8.85631E-06	5.61599E-07	4.9637E-07	1972.507407	2003.392099	4.758605132	172428.6
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	175 Diesel	2.08344E-05	2.5209E-05	3.0002E-05	0.000408891	0.000194576	0.055379455	1.13388E-05	1.04777E-05	5.11388E-07	4.526 2E-07	1796.725456	667.7973464	0.975210076	96054.42
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	300 Diesel	2.45026E-05	2.9643E-05	3.5287E-05	0.000577541	0.000202589	0.080988617	8.91041E-06	8.19758E-06	6.02864E-07	5.3344 1E-07	2624.666534	646.4518875	1.256.2.4315	
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	600 Diesel	3.32161E-05	4.0191E-05	4.7831E-05	0.000174971	0.000346499	0.038392175	1.18909E-05	1.09396E-05	7.74628E-07	6.8471 7E-07	2721.789239	375.9157666	0.531932768	145510.7
Orange (SC)	2026 AirGroup - Forklift	Aggregate	25 Diesel	5.57526E-06	6.7460BE-06	8.0283E-06	1.1132E-05	8.5352E-05	0.000167406	3.68804E-06	3.38503E-06	1.54508E-09	1.4182E-09	5.412913556	18.77416408	0.046681254	465.1561
Orange (SC)	2026 AirGroup - Forklift	Aggregate	50 Diesel	1.38672E-05	1.5813E-05	1.8818E-05	2.7307E-05	6.1946E-05	0.007505857	5.21112E-06	4.81263E-06	3.92103E-06	3.5261 9E-06	1126.158	441.1764	1.083555178	21044.58
Orange (SC)	2026 AirGroup - Forklift	Aggregate	75 Diesel	5.65777E-06	6.8459E-06	8.1473E-06	4.1937E-05	5.9461E-05	0.005300149	4.26199E-06	3.92103E-06	4.88328E-08	4.3293 1E-08	171.9574969	238.0690218	0.653537549	16522.11
Orange (SC)	2026 AirGroup - Forklift	Aggregate	100 Diesel	1.91166E-05	4.7534E-05	5.6618E-05	0.000156868

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Existing Conditions

EXISTING CONDITIONS

Vehicle type	Fleet percent	VMT	
	Regional Shopping Center	Regional Shopping Center	Total
LDA	53.66%	57,434,433	57,434,433
LDT1	5.58%	5,977,212	5,977,212
LDT2	19.18%	20,530,271	20,530,271
MDV	13.62%	14,575,643	14,575,643
LHD1	2.47%	2,644,551	2,644,551
LHD2	0.61%	653,003	653,003
MHD	1.47%	1,573,587	1,573,587
HHD	0.47%	503,800	503,800
OBUS	0.07%	73,424	73,424
UBUS	0.04%	43,241	43,241
MCY	2.32%	2,482,504	2,482,504
SBUS	0.08%	82,736	82,736
MH	0.43%	457,777	457,777
	100.00%	107,032,184	107,032,184

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	30,813.52	39,181.99	24524.26	107,032,184	107,032,184
Total	30,813.52	39,181.99	24,524.26	107,032,184	107,032,184

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Other Asphalt Surfaces	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Parking Lot	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Regional Shopping Center	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277

PROPOSED CONDITIONS

Vehicle type	Gas percent	Diesel percent	CNG percent	Electricity percent	
LDA	97.73%	0.85%	0.00%	1.42%	
LDT1	99.73%	0.02%	0.00%	0.25%	
LDT2	99.01%	0.58%	0.00%	0.41%	
MDV	97.89%	2.00%	0.00%	0.10%	
LHD1	62.23%	37.77%	0.00%	0.00%	
LHD2	41.85%	58.15%	0.00%	0.00%	
MHD	20.10%	79.90%	0.00%	0.00%	<< Equal to T6 (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
HHD	0.08%	97.37%	2.55%	0.00%	<< Equal to T7 (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
OBUS	50.74%	49.26%	0.00%	0.00%	<< Motor coach, all other buses, and OBUS (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
UBUS	18.82%	0.00%	81.18%	0.00%	
MCY	100.00%	0.00%	0.00%	0.00%	
SBUS	31.85%	68.15%	0.00%	0.00%	
MH	70.07%	29.93%	0.00%	0.00%	

PROPOSED CONDITIONS

Vehicle type	Gasoline			Diesel			CNG			Electricity		
	VMT	mpg	Gallons	VMT	mpg	Gallons	VMT	mpg	Gallons	VMT	m/kWh	kWh
LDA	56,133,378	29.37	1,911,329	487,664	46.25	10,544	0	0.00	0	813,391	2.98	272,613
LDT1	5,960,883	25.39	234,813	1,409	24.01	59	0	0.00	0	14,921	2.98	5,001
LDT2	20,326,604	22.88	888,308	119,109	33.42	3,564	0	0.00	0	84,559	2.98	28,340
MDV	14,268,752	18.71	762,826	292,044	25.35	11,519	0	0.00	0	14,847	2.98	4,976
LHD1	1,645,794	10.41	158,047	998,757	20.75	48,144	0	0.00	0	0	2.98	0
LHD2	273,276	9.05	30,190	379,727	18.72	20,283	0	0.00	0	0	2.98	0
MHD	316,292	5.01	63,172	1,257,296	10.14	124,005	0	0.00	0	0	2.98	0
HHD	405	3.95	102	490,527	6.36	77,147	12,869	2.17	5,919	0	2.98	0
OBUS	37,252	4.97	7,501	36,172	8.45	4,283	0	0.00	0	0	2.98	0
UBUS	8,137	3.67	2,215	0	0.00	0	35,104	3.97	8,841	0	2.98	0
MCY	2,482,504	37.22	66,693	0	0.00	0	0	0.00	0	0	2.98	0
SBUS	26,348	8.97	2,938	56,388	7.28	7,747	0	0.00	0	0	2.98	0
MH	320,786	5.03	63,740	136,990	10.24	13,380	0	0.00	0	0	2.98	0
	101,800,411		**4,191,875**	**4,256,082**		**320,675**	**47,973**		**14,760**	**927,718**		**310,930**

Proposed Project

PROPOSED PROJECT CONDITIONS

Vehicle type	Fleet percent			VMT			
	Apartments Mid Rise	Health Club	Regional Shopping Center	Apartments Mid Rise	Health Club	Regional Shopping Center	Total
LDA	54.75%	54.75%	54.75%	2,382,059	6,574,236	55,441,496	64,397,792
LDT1	6.02%	6.02%	6.02%	261,858	722,700	6,094,632	7,079,189
LDT2	18.50%	18.50%	18.50%	805,136	2,222,090	18,739,214	21,766,440
MDV	12.65%	12.65%	12.65%	550,366	1,518,953	12,809,554	14,878,873
LHD1	2.42%	2.42%	2.42%	105,455	291,045	2,454,421	2,850,920
LHD2	0.67%	0.67%	0.67%	29,061	80,207	676,394	785,662
MHD	1.47%	1.47%	1.47%	63,993	176,613	1,489,403	1,730,008
HHD	0.49%	0.49%	0.49%	21,434	59,155	498,864	579,453
OBUS	0.07%	0.07%	0.07%	2,880	7,950	67,042	77,872
UBUS	0.04%	0.04%	0.04%	1,645	4,539	38,281	44,465
MCY	2.47%	2.47%	2.47%	107,670	297,157	2,505,968	2,910,795
SBUS	0.07%	0.07%	0.07%	3,068	8,466	71,397	82,930
MH	0.38%	0.38%	0.38%	16,539	45,645	384,934	447,118
	100.00%	100.00%	100.00%	4,351,167	12,008,768	101,271,700	117,631,635

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartment Mid Rise	1,169.50	1,072.50	893.10	4,351,167	4,351,167
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	3,512.32	3,372.80	3372.80	12,008,768	12,008,768
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	23,036.69	37,446.19	22394.09	101,271,700	101,271,700
Total	27,718.51	41,891.49	27,175.99	117,631,635	117,631,635

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartment Mid Rise	0.547453	0.060181	0.185039	0.126497	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Enclosed Parking with Elevator	0.547453	0.060181	0.185039	0.126497	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Health Club	0.547453	0.060181	0.185039	0.126497	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Other Asphalt Surfaces	0.547453	0.060181	0.185039	0.126497	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Parking Lot	0.547453	0.060181	0.185039	0.126497	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Regional Shopping Center	0.547453	0.060181	0.185039	0.126497	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801

PROPOSED CONDITIONS

Vehicle type	Gas percent	Diesel percent	CNG percent	Electricity percent	
LDA	95.36%	1.05%	0.00%	3.58%	
LDT1	98.26%	0.02%	0.00%	1.72%	
LDT2	97.70%	0.83%	0.00%	1.47%	
MDV	95.80%	2.79%	0.00%	1.41%	
LHD1	53.98%	46.02%	0.00%	0.00%	
LHD2	34.51%	65.49%	0.00%	0.00%	
MHD	15.09%	84.91%	0.00%	0.00%	<< Equal to T6 (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
HHD	0.10%	96.55%	3.34%	0.00%	<< Equal to T7 (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
OBUS	45.85%	54.15%	0.00%	0.00%	<< Motor coach, all other buses, and OBUS (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
UBUS	18.82%	0.00%	81.18%	0.00%	
MCY	100.00%	0.00%	0.00%	0.00%	
SBUS	39.39%	60.61%	0.00%	0.00%	
MH	68.94%	31.06%	0.00%	0.00%	

PROPOSED CONDITIONS

Vehicle type	Gasoline			Diesel			CNG			Electricity		
	VMT	mpg	Gallons	VMT	mpg	Gallons	VMT	mpg	Gallons	VMT	m/kWh	kWh
LDA	61,412,236	34.56	1,776,816	677,756	53.99	12,554	0	0.00	0	2,307,799	3.12	740,796
LDT1	6,956,265	29.45	236,245	1,162	26.85	43	0	0.00	0	121,763	3.12	39,086
LDT2	21,266,034	27.90	762,316	181,160	39.42	4,596	0	0.00	0	319,246	3.12	102,477
MDV	14,253,582	22.44	635,066	414,906	29.93	13,863	0	0.00	0	210,385	3.12	67,533
LHD1	1,538,823	11.02	139,691	1,312,097	22.58	58,104	0	0.00	0	0	3.12	0
LHD2	271,155	9.55	28,387	514,506	20.38	25,251	0	0.00	0	0	3.12	0
MHD	261,103	5.23	49,890	1,468,905	11.72	125,301	0	0.00	0	0	3.12	0
HHD	593	4.69	126	559,486	7.48	74,795	19,374	2.36	8,198	0	3.12	0
OBUS	35,704	5.39	6,625	42,168	9.63	4,380	0	0.00	0	0	3.12	0
UBUS	8,367	4.39	1,908	0	0.00	0	36,097	3.86	9,343	0	3.12	0
MCY	2,910,795	37.06	78,549	0	0.00	0	0	0.00	0	0	3.12	0
SBUS	32,668	9.43	3,466	50,263	7.77	6,470	0	0.00	0	0	3.12	0
MH	308,239	5.44	56,632	138,879	10.86	12,793	0	0.00	0	0	3.12	0
	109,255,566		**3,775,717**	**5,361,288**		**338,150**	**55,472**		**17,542**	**2,959,193**		**949,891**

EMFAC Fuel Usage: Year 2019

Vehicle type	GAS			DSL			NG			ELEC
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day
All other buses	0	0	0.00	27,276	2,774	9.83	0	0	0.00	0
LDA	48,498,866	1,651,376	29.37	421,339	9,110	46.25	0	0	0.00	702,765
LDT1	4,932,435	194,300	25.39	1,166	49	24.01	0	0	0.00	12,346
LDT2	17,104,474	747,495	22.88	100,228	2,999	33.42	0	0	0.00	71,155
LHD1	1,425,183	136,862	10.41	864,878	41,690	20.75	0	0	0.00	0
LHD2	235,471	26,014	9.05	327,196	17,477	18.72	0	0	0.00	0
MCY	400,120	10,749	37.22	0	0	0.00	0	0	0.00	0
MDV	11,560,840	618,057	18.71	236,620	9,333	25.35	0	0	0.00	12,029
MH	67,065	13,326	5.03	28,640	2,797	10.24	0	0	0.00	0
Motor coach	0	0	0.00	17,102	2,743	6.23	0	0	0.00	0
OBUS	45,703	9,203	4.97	0	0	0.00	0	0	0.00	0
PTO	0	0	0.00	29,972	6,217	4.82	0	0	0.00	0
SBUS	19,688	2,195	8.97	42,134	5,788	7.28	0	0	0.00	0
T6	433,787	86,639	5.01	1,724,353	170,070	10.14	0	0	0.00	0
T7	938	237	3.95	1,136,588	178,755	6.36	29,818	13,714	2.17	0
UBUS	19,705	5,363	3.67	0	0	0.00	85,008	21,410	3.97	0
Total	**84,744,274**	**3,501,817**	**24.20**	**4,957,492**	**449,805**	**11.02**	**114,825**	**35,124**	**3.27**	**798,295**

1,215,130,545

1.06%

81875000 12876788.56

Source: EMFAC2017 (v1.0.3) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2019
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
Orange (SC)	2019	All Other Buses	Aggregate	Aggregate	DSL	473.8766192	27275.64043	3980.563602	2.774180967
Orange (SC)	2019	LDA	Aggregate	Aggregate	GAS	1223281.615	48498865.51	5791179.285	1651.375965
Orange (SC)	2019	LDA	Aggregate	Aggregate	DSL	10330.87174	421338.5715	48965.77678	9.110313311
Orange (SC)	2019	LDA	Aggregate	Aggregate	ELEC	18325.57796	702764.686	91948.95772	0
Orange (SC)	2019	LDT1	Aggregate	Aggregate	GAS	129886.4448	4932435.319	599388.3394	194.3004571
Orange (SC)	2019	LDT1	Aggregate	Aggregate	DSL	59.74119808	1165.606511	198.8723468	0.048539197
Orange (SC)	2019	LDT1	Aggregate	Aggregate	ELEC	343.8294903	12346.46979	1684.493931	0
Orange (SC)	2019	LDT2	Aggregate	Aggregate	GAS	443301.5271	17104474.16	2079075.932	747.4953953
Orange (SC)	2019	LDT2	Aggregate	Aggregate	DSL	2169.432959	100227.6974	10783.35103	2.999198297
Orange (SC)	2019	LDT2	Aggregate	Aggregate	ELEC	2041.175939	71154.82913	10399.00945	0
Orange (SC)	2019	LHD1	Aggregate	Aggregate	GAS	37244.75433	1425183.134	554891.3449	136.8616829
Orange (SC)	2019	LHD1	Aggregate	Aggregate	DSL	20401.21161	864878.3854	256621.5773	41.69031
Orange (SC)	2019	LHD2	Aggregate	Aggregate	GAS	6421.009976	235470.9989	95663.48133	26.01371823
Orange (SC)	2019	LHD2	Aggregate	Aggregate	DSL	7812.976815	327195.984	98277.41961	17.47716723
Orange (SC)	2019	MCY	Aggregate	Aggregate	GAS	54112.22632	400119.9345	108224.4526	10.74933419
Orange (SC)	2019	MDV	Aggregate	Aggregate	GAS	311870.5264	11560839.57	1447301.245	618.0571412
Orange (SC)	2019	MDV	Aggregate	Aggregate	DSL	5510.282581	236620.1064	27169.63392	9.333332699
Orange (SC)	2019	MDV	Aggregate	Aggregate	ELEC	335.41455	12029.07966	1723.678316	0
Orange (SC)	2019	MH	Aggregate	Aggregate	GAS	7139.194891	67065.36875	714.2050569	13.32586198
Orange (SC)	2019	MH	Aggregate	Aggregate	DSL	2838.244378	28639.91604	283.8244378	2.797282801
Orange (SC)	2019	Motor Coach	Aggregate	Aggregate	DSL	135.5287466	17102.13618	1978.7197	2.743021488
Orange (SC)	2019	OBUS	Aggregate	Aggregate	GAS	990.6247767	45703.06906	19820.42053	9.203081706
Orange (SC)	2019	PTO	Aggregate	Aggregate	DSL	0	29972.26356	0	6.217387485
Orange (SC)	2019	SBUS	Aggregate	Aggregate	GAS	454.1043249	19687.82964	1816.417299	2.195213978
Orange (SC)	2019	SBUS	Aggregate	Aggregate	DSL	1349.431457	42134.30605	15572.25193	5.788414878
Orange (SC)	2019	T6 Ag	Aggregate	Aggregate	DSL	1.07	8.275469859	4.708	0.001066262
Orange (SC)	2019	T6 CAIRP heavy	Aggregate	Aggregate	DSL	85.7688013	17259.33501	1252.224499	1.572673108
Orange (SC)	2019	T6 CAIRP small	Aggregate	Aggregate	DSL	44.17478173	2349.875989	644.9518133	0.227450914
Orange (SC)	2019	T6 instate construction heavy	Aggregate	Aggregate	DSL	388.13945	26101.33753	1754.763363	2.689282099
Orange (SC)	2019	T6 instate construction small	Aggregate	Aggregate	DSL	2744.499128	138380.9801	12407.77385	14.07473021
Orange (SC)	2019	T6 instate heavy	Aggregate	Aggregate	DSL	4029.928391	574512.8595	46504.81491	54.42041623
Orange (SC)	2019	T6 instate small	Aggregate	Aggregate	DSL	18115.98395	935173.6954	209055.9431	93.6611298
Orange (SC)	2019	T6 OOS heavy	Aggregate	Aggregate	DSL	48.93668328	9853.004706	714.4755758	0.898000701
Orange (SC)	2019	T6 OOS small	Aggregate	Aggregate	DSL	25.92769658	1374.001156	378.5443701	0.132906987
Orange (SC)	2019	T6 Public	Aggregate	Aggregate	DSL	915.2461278	13786.63207	2776.246585	1.789438291
Orange (SC)	2019	T6 utility	Aggregate	Aggregate	DSL	332.3137444	5553.425858	3821.60806	0.602777524
Orange (SC)	2019	T6TS	Aggregate	Aggregate	GAS	7568.270254	433786.8965	151425.9512	86.63865792
Orange (SC)	2019	T7 Ag	Aggregate	Aggregate	DSL	1	8.178158898	4.4	0.001578958
Orange (SC)	2019	T7 CAIRP	Aggregate	Aggregate	DSL	885.7685421	166354.0172	12932.22072	24.88923348
Orange (SC)	2019	T7 CAIRP construction	Aggregate	Aggregate	DSL	98.81812236	18748.81748	446.7528892	2.666049391
Orange (SC)	2019	T7 NNOOS	Aggregate	Aggregate	DSL	993.9736251	202806.2774	14512.01493	29.42879667
Orange (SC)	2019	T7 NOOS	Aggregate	Aggregate	DSL	348.9259044	65358.06419	5094.318205	10.00815818
Orange (SC)	2019	T7 POLA	Aggregate	Aggregate	DSL	1245.584811	149012.5289	9466.444563	24.8943669
Orange (SC)	2019	T7 Public	Aggregate	Aggregate	DSL	1029.372466	20852.67503	3122.429812	3.746245888
Orange (SC)	2019	T7 Single	Aggregate	Aggregate	DSL	2097.919273	150946.3103	24209.69754	23.23856822
Orange (SC)	2019	T7 single construction	Aggregate	Aggregate	DSL	668.883335	46512.3677	3023.995552	7.256056779
Orange (SC)	2019	T7 SWCV	Aggregate	Aggregate	DSL	394.6571901	16125.05335	1539.163041	7.895964153
Orange (SC)	2019	T7 SWCV	Aggregate	Aggregate	NG	732.8439311	29817.6193	2858.091331	13.7136357
Orange (SC)	2019	T7 tractor	Aggregate	Aggregate	DSL	1858.616125	260175.4422	23604.42478	38.49758044
Orange (SC)	2019	T7 tractor construction	Aggregate	Aggregate	DSL	547.4092473	38368.60836	2474.815924	6.015025294
Orange (SC)	2019	T7 utility	Aggregate	Aggregate	DSL	65.03232427	1319.881931	747.8717291	0.21787144
Orange (SC)	2019	T7IS	Aggregate	Aggregate	GAS	13.82239905	937.8742547	276.5585601	0.237240048
Orange (SC)	2019	UBUS	Aggregate	Aggregate	GAS	208.5732817	19704.69745	834.2931268	5.363383616
Orange (SC)	2019	UBUS	Aggregate	Aggregate	DSL	0	0	0	0
Orange (SC)	2019	UBUS	Aggregate	Aggregate	NG	733.9588564	85007.66425	2935.835425	21.40989389

EMFAC Fuel Usage: Year 2022

Vehicle type	GAS			DSL			NG			ELEC
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day
All other buses	0	0	0.00	29,582	2,828	10.46	0	0	0.00	0
LDA	49,671,090	1,564,655	31.75	501,185	10,062	49.81	0	0	0.00	1,148,304
LDT1	5,238,639	192,103	27.27	1,011	40	25.09	0	0	0.00	43,266
LDT2	16,909,367	671,285	25.19	124,888	3,448	36.22	0	0	0.00	143,730
LHD1	1,319,671	123,791	10.66	978,243	45,262	21.61	0	0	0.00	0
LHD2	225,103	24,307	9.26	374,620	19,215	19.50	0	0	0.00	0
MCY	421,009	11,330	37.16	0	0	0.00	0	0	0.00	0
MDV	11,130,322	546,444	20.37	281,488	10,244	27.48	0	0	0.00	73,855
MH	65,026	12,480	5.21	28,530	2,724	10.48	0	0	0.00	0
Motor coach	0	0	0.00	18,084	2,713	6.67	0	0	0.00	0
OBUS	44,125	8,576	5.15	0	0	0.00	0	0	0.00	0
PTO	0	0	0.00	33,066	6,502	5.09	0	0	0.00	0
SBUS	22,060	2,406	9.17	40,079	5,359	7.48	0	0	0.00	0
T6	390,927	76,686	5.10	1,862,214	171,184	10.88	0	0	0.00	0
T7	1,077	245	4.40	1,217,802	178,979	6.80	37,693	16,703	2.26	0
UBUS	20,054	5,428	3.69	0	0	0.00	86,514	22,403	3.86	0
Total	**85,458,470**	**3,239,737**	**26.38**	**5,490,793**	**458,560**	**11.97**	**124,207**	**39,106**	**3.18**	**1,409,155**

Source: EMFAC2017 (v1.0.3) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
Orange (SC)	2022	All Other Buses	Aggregate	Aggregate	DSL	493.8195683	29581.57559	4148.084373	2.827695838
Orange (SC)	2022	LDA	Aggregate	Aggregate	GAS	1295599.689	49671089.81	6144925.715	1564.655171
Orange (SC)	2022	LDA	Aggregate	Aggregate	DSL	12739.0078	501185.1456	60554.66609	10.06178735
Orange (SC)	2022	LDA	Aggregate	Aggregate	ELEC	28393.86772	1148303.54	141298.9123	0
Orange (SC)	2022	LDT1	Aggregate	Aggregate	GAS	142048.7173	5238638.572	658516.7666	192.1032237
Orange (SC)	2022	LDT1	Aggregate	Aggregate	DSL	49.5183793	1010.879054	166.4183188	0.040286436
Orange (SC)	2022	LDT1	Aggregate	Aggregate	ELEC	1032.066464	43266.26956	5186.810022	0
Orange (SC)	2022	LDT2	Aggregate	Aggregate	GAS	455350.0099	16909367.12	2134201.258	671.2853684
Orange (SC)	2022	LDT2	Aggregate	Aggregate	DSL	2933.773502	124887.9477	14421.82259	3.447911648
Orange (SC)	2022	LDT2	Aggregate	Aggregate	ELEC	4402.869216	143730.0815	22245.82792	0
Orange (SC)	2022	LHD1	Aggregate	Aggregate	GAS	36147.86941	1319671.421	538549.3939	123.791382
Orange (SC)	2022	LHD1	Aggregate	Aggregate	DSL	24040.18403	978243.4579	302395.2725	45.2616289
Orange (SC)	2022	LHD2	Aggregate	Aggregate	GAS	6433.829843	225103.3004	95854.47825	24.30747932
Orange (SC)	2022	LHD2	Aggregate	Aggregate	DSL	9390.080241	374620.1723	118115.3967	19.21500982
Orange (SC)	2022	MCY	Aggregate	Aggregate	GAS	59324.20714	421008.6598	118648.4143	11.33048778
Orange (SC)	2022	MDV	Aggregate	Aggregate	GAS	313214.6089	11130322.04	1450299.414	546.4436615
Orange (SC)	2022	MDV	Aggregate	Aggregate	DSL	7004.701757	281488.2471	34186.63889	10.24432923
Orange (SC)	2022	MDV	Aggregate	Aggregate	ELEC	2172.991185	73854.79623	11123.90302	0
Orange (SC)	2022	MH	Aggregate	Aggregate	GAS	6865.363572	65025.63092	686.8109718	12.47967279
Orange (SC)	2022	MH	Aggregate	Aggregate	DSL	3020.855236	28529.60126	302.0855236	2.723510025
Orange (SC)	2022	Motor Coach	Aggregate	Aggregate	DSL	134.1934225	18084.3755	1959.223969	2.713209821
Orange (SC)	2022	OBUS	Aggregate	Aggregate	GAS	1010.920693	44124.77606	20226.50123	8.575575308
Orange (SC)	2022	PTO	Aggregate	Aggregate	DSL	0	33065.707	0	6.502244055
Orange (SC)	2022	SBUS	Aggregate	Aggregate	GAS	529.8434458	22060.40853	2119.373783	2.405828386
Orange (SC)	2022	SBUS	Aggregate	Aggregate	DSL	1279.904224	40079.35319	14769.9173	5.359382114
Orange (SC)	2022	T6 Ag	Aggregate	Aggregate	DSL	1.07	8.275469859	4.708	0.001066984
Orange (SC)	2022	T6 CAIRP heavy	Aggregate	Aggregate	DSL	93.14712045	18463.66517	1359.947959	1.55641611
Orange (SC)	2022	T6 CAIRP small	Aggregate	Aggregate	DSL	47.63828781	2471.582331	695.519002	0.22363382
Orange (SC)	2022	T6 instate construction heavy	Aggregate	Aggregate	DSL	414.9759872	27770.38279	1876.090304	2.658869569
Orange (SC)	2022	T6 instate construction small	Aggregate	Aggregate	DSL	2767.702049	147229.7267	12512.67336	14.00880881
Orange (SC)	2022	T6 instate heavy	Aggregate	Aggregate	DSL	4469.13874	640921.7605	51573.24143	55.72376156
Orange (SC)	2022	T6 instate small	Aggregate	Aggregate	DSL	19324.09961	994433.5215	222997.4303	93.78037364
Orange (SC)	2022	T6 OOS heavy	Aggregate	Aggregate	DSL	52.90106772	10502.53281	772.3555887	0.885170959
Orange (SC)	2022	T6 OOS small	Aggregate	Aggregate	DSL	28.42468514	1468.707571	415.0004031	0.13283096
Orange (SC)	2022	T6 Public	Aggregate	Aggregate	DSL	865.670485	13245.19275	2625.867135	1.639906284
Orange (SC)	2022	T6 utility	Aggregate	Aggregate	DSL	337.9574371	5698.994115	3886.510527	0.572791934
Orange (SC)	2022	T6TS	Aggregate	Aggregate	GAS	7524.246571	390927.133	150545.1254	76.68639152
Orange (SC)	2022	T7 Ag	Aggregate	Aggregate	DSL	1	7.73408398	4.4	0.001503812
Orange (SC)	2022	T7 CAIRP	Aggregate	Aggregate	DSL	988.9314933	175813.36	14438.3998	24.94943046
Orange (SC)	2022	T7 CAIRP construction	Aggregate	Aggregate	DSL	110.6218848	19947.70719	500.1172404	2.659483787
Orange (SC)	2022	T7 NNOOS	Aggregate	Aggregate	DSL	1070.601355	214339.315	15630.77979	28.81919701
Orange (SC)	2022	T7 NOOS	Aggregate	Aggregate	DSL	390.5525345	69075.5237	5702.067003	10.0570406
Orange (SC)	2022	T7 POLA	Aggregate	Aggregate	DSL	1350.087025	175065.1518	10260.66139	28.10619045
Orange (SC)	2022	T7 Public	Aggregate	Aggregate	DSL	1038.122073	21034.31119	3148.970286	3.622769795
Orange (SC)	2022	T7 Single	Aggregate	Aggregate	DSL	2351.100258	166525.5098	27131.37101	23.97321606
Orange (SC)	2022	T7 single construction	Aggregate	Aggregate	DSL	708.4033598	49486.59256	3202.664047	7.16258616
Orange (SC)	2022	T7 SWCV	Aggregate	Aggregate	DSL	310.0164561	12666.77009	1209.064179	6.200492228
Orange (SC)	2022	T7 SWCV	Aggregate	Aggregate	NG	925.5580333	37692.78896	3609.67633	16.70265719
Orange (SC)	2022	T7 tractor	Aggregate	Aggregate	DSL	2008.403478	271663.5515	25506.72418	37.18012021
Orange (SC)	2022	T7 tractor construction	Aggregate	Aggregate	DSL	591.7742545	40822.08202	2675.388396	6.037322198
Orange (SC)	2022	T7 utility	Aggregate	Aggregate	DSL	66.70871193	1354.438898	767.1501872	0.209700883
Orange (SC)	2022	T7IS	Aggregate	Aggregate	GAS	9.612146044	1076.873786	192.3198181	0.244872884
Orange (SC)	2022	UBUS	Aggregate	Aggregate	GAS	212.2694682	20053.89001	849.0778729	5.427673939
Orange (SC)	2022	UBUS	Aggregate	Aggregate	DSL	0	0	0	0
Orange (SC)	2022	UBUS	Aggregate	Aggregate	NG	746.9655502	86514.10928	2987.862201	22.40345048

EMFAC Fuel Usage: Year 2023

Vehicle type	GAS			DSL			NG			ELEC
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day
All other buses	0	0	0.00	30,341	2,805	10.82	0	0	0.00	0
LDA	49,965,794	1,530,774	32.64	521,945	10,210	51.12	0	0	0.00	1,363,746
LDT1	5,324,604	190,388	27.97	970	38	25.61	0	0	0.00	58,817
LDT2	16,860,834	647,146	26.05	131,714	3,538	37.23	0	0	0.00	177,682
LHD1	1,293,611	120,026	10.78	1,009,903	46,031	21.94	0	0	0.00	0
LHD2	222,130	23,737	9.36	388,074	19,613	19.79	0	0	0.00	0
MCY	426,338	11,479	37.14	0	0	0.00	0	0	0.00	0
MDV	11,014,473	523,982	21.02	293,855	10,400	28.25	0	0	0.00	101,133
MH	64,511	12,223	5.28	28,555	2,700	10.58	0	0	0.00	0
Motor coach	0	0	0.00	18,402	2,675	6.88	0	0	0.00	0
OBUS	43,737	8,382	5.22	0	0	0.00	0	0	0.00	0
PTO	0	0	0.00	34,063	6,468	5.27	0	0	0.00	0
SBUS	22,929	2,482	9.24	39,300	5,196	7.56	0	0	0.00	0
T6	377,899	73,547	5.14	1,903,588	167,519	11.36	0	0	0.00	0
T7	1,170	260	4.50	1,244,042	172,031	7.23	40,133	17,538	2.29	0
UBUS	20,172	4,824	4.18	0	0	0.00	87,025	22,536	3.86	0
Total	**85,638,202**	**3,149,249**	**27.19**	**5,644,753**	**449,226**	**12.57**	**127,157**	**40,074**	**3.17**	**1,701,376**

1,092,789,551

1.04%

81875000 11322001.58

Source: EMFAC2017 (v1.0.3) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
Orange (SC)	2023	All Other Buses	Aggregate	Aggregate	DSL	497.4884829	30341.42021	4178.903257	2.805137976
Orange (SC)	2023	LDA	Aggregate	Aggregate	GAS	1317264.299	49965793.64	6248383.008	1530.774164
Orange (SC)	2023	LDA	Aggregate	Aggregate	DSL	13431.01148	521944.8541	63854.3682	10.21006873
Orange (SC)	2023	LDA	Aggregate	Aggregate	ELEC	33012.02837	1363745.619	164035.8627	0
Orange (SC)	2023	LDT1	Aggregate	Aggregate	GAS	145926.018	5324604.48	676933.8582	190.3875858
Orange (SC)	2023	LDT1	Aggregate	Aggregate	DSL	46.29888067	970.2407912	157.1623518	0.037881245
Orange (SC)	2023	LDT1	Aggregate	Aggregate	ELEC	1366.204347	58816.77113	6870.769993	0
Orange (SC)	2023	LDT2	Aggregate	Aggregate	GAS	459128.0523	16860833.77	2151241.261	647.1457437
Orange (SC)	2023	LDT2	Aggregate	Aggregate	DSL	3171.575849	131714.3685	15530.20474	3.538230746
Orange (SC)	2023	LDT2	Aggregate	Aggregate	ELEC	5547.578192	177681.564	27961.08308	0
Orange (SC)	2023	LHD1	Aggregate	Aggregate	GAS	35833.39433	1293610.747	533864.1837	120.02561
Orange (SC)	2023	LHD1	Aggregate	Aggregate	DSL	25197.20917	1009903.321	316949.1932	46.0310456
Orange (SC)	2023	LHD2	Aggregate	Aggregate	GAS	6427.170235	222129.8261	95755.26002	23.73696478
Orange (SC)	2023	LHD2	Aggregate	Aggregate	DSL	9897.553217	388074.4324	124498.7684	19.61347913
Orange (SC)	2023	MCY	Aggregate	Aggregate	GAS	60907.74419	426337.9157	121815.4884	11.47916891
Orange (SC)	2023	MDV	Aggregate	Aggregate	GAS	313407.6541	11014472.81	1450734.231	523.9817028
Orange (SC)	2023	MDV	Aggregate	Aggregate	DSL	7459.366276	293854.6559	36276.35582	10.40034972
Orange (SC)	2023	MDV	Aggregate	Aggregate	ELEC	3044.278972	101132.5162	15528.53705	0
Orange (SC)	2023	MH	Aggregate	Aggregate	GAS	6790.047028	64511.29463	679.2763047	12.22260418
Orange (SC)	2023	MH	Aggregate	Aggregate	DSL	3077.212238	28555.305	307.7212238	2.700205907
Orange (SC)	2023	Motor Coach	Aggregate	Aggregate	DSL	130.5785169	18401.53809	1906.446347	2.675147509
Orange (SC)	2023	OBUS	Aggregate	Aggregate	GAS	1014.708676	43737.41029	20302.29118	8.382453786
Orange (SC)	2023	PTO	Aggregate	Aggregate	DSL	0	34062.86189	0	6.468358644
Orange (SC)	2023	SBUS	Aggregate	Aggregate	GAS	557.167251	22929.00008	2228.669004	2.481912376
Orange (SC)	2023	SBUS	Aggregate	Aggregate	DSL	1252.958306	39300.2503	14458.96513	5.19639825
Orange (SC)	2023	T6 Ag	Aggregate	Aggregate	DSL	0.862231182	6.668568375	3.793817203	0.000743957
Orange (SC)	2023	T6 CAIRP heavy	Aggregate	Aggregate	DSL	96.13981948	18837.71383	1403.641364	1.541338376
Orange (SC)	2023	T6 CAIRP small	Aggregate	Aggregate	DSL	48.22250844	2511.489818	704.0486232	0.219534634
Orange (SC)	2023	T6 instate construction heavy	Aggregate	Aggregate	DSL	427.2850212	28135.87435	1931.738968	2.562220756
Orange (SC)	2023	T6 instate construction small	Aggregate	Aggregate	DSL	2659.36752	149167.4465	12022.89716	13.45602022
Orange (SC)	2023	T6 instate heavy	Aggregate	Aggregate	DSL	4632.974164	662141.6492	53463.87952	55.64228225
Orange (SC)	2023	T6 instate small	Aggregate	Aggregate	DSL	19005.22892	1011749.443	219317.7068	90.92936563
Orange (SC)	2023	T6 OOS heavy	Aggregate	Aggregate	DSL	54.67448669	10706.34735	798.2475056	0.876211975
Orange (SC)	2023	T6 OOS small	Aggregate	Aggregate	DSL	28.84054333	1498.437544	421.0719326	0.130910917
Orange (SC)	2023	T6 Public	Aggregate	Aggregate	DSL	851.6779496	13084.6738	2583.423111	1.592357941
Orange (SC)	2023	T6 utility	Aggregate	Aggregate	DSL	342.9365029	5748.175315	3943.769783	0.568062046
Orange (SC)	2023	T6TS	Aggregate	Aggregate	GAS	7500.789376	377898.997	150075.7938	73.54713884
Orange (SC)	2023	T7 Ag	Aggregate	Aggregate	DSL	1.063174002	8.222677017	4.677965609	0.001524266
Orange (SC)	2023	T7 CAIRP	Aggregate	Aggregate	DSL	982.9303991	178866.8185	14350.78383	24.44800502
Orange (SC)	2023	T7 CAIRP construction	Aggregate	Aggregate	DSL	110.8329168	20210.24295	501.0713076	2.606613712
Orange (SC)	2023	T7 NNOOS	Aggregate	Aggregate	DSL	1103.523756	218062.2243	16111.44684	28.36132135
Orange (SC)	2023	T7 NOOS	Aggregate	Aggregate	DSL	389.5370519	70275.62649	5687.240958	9.854066818
Orange (SC)	2023	T7 POLA	Aggregate	Aggregate	DSL	1386.102284	184529.8958	10534.37736	25.75409743
Orange (SC)	2023	T7 Public	Aggregate	Aggregate	DSL	1043.383866	21140.08402	3164.931058	3.584559973
Orange (SC)	2023	T7 Single	Aggregate	Aggregate	DSL	2446.303618	171547.3811	28230.00459	23.63979345
Orange (SC)	2023	T7 single construction	Aggregate	Aggregate	DSL	722.5047551	50137.89549	3266.415907	6.891174012
Orange (SC)	2023	T7 SWCV	Aggregate	Aggregate	DSL	283.0552486	11565.17884	1103.915469	5.660972092
Orange (SC)	2023	T7 SWCV	Aggregate	Aggregate	NG	985.3985608	40132.57541	3843.054387	17.53838201
Orange (SC)	2023	T7 tractor	Aggregate	Aggregate	DSL	2015.109589	274972.5133	25591.89178	35.31413012
Orange (SC)	2023	T7 tractor construction	Aggregate	Aggregate	DSL	607.1515489	41359.3496	2744.908547	5.704690443
Orange (SC)	2023	T7 utility	Aggregate	Aggregate	DSL	67.31892338	1366.23584	774.1676189	0.210095409
Orange (SC)	2023	T7IS	Aggregate	Aggregate	GAS	9.811189686	1169.863795	196.3022832	0.260101575
Orange (SC)	2023	UBUS	Aggregate	Aggregate	GAS	213.5219131	20172.21316	854.0876526	4.824274807
Orange (SC)	2023	UBUS	Aggregate	Aggregate	DSL	0	0	0	0
Orange (SC)	2023	UBUS	Aggregate	Aggregate	NG	751.3728408	87024.56496	3005.491363	22.53563665

EMFAC Fuel Usage: Year 2024

Vehicle type	GAS			DSL			NG			ELEC
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day
All other buses	0	0	0.00	31,167	2,853	10.92	0	0	0.00	0
LDA	50,207,251	1,496,363	33.55	540,280	10,290	52.50	0	0	0.00	1,612,689
LDT1	5,404,034	188,500	28.67	945	36	26.18	0	0	0.00	76,322
LDT2	16,818,806	624,435	26.93	137,673	3,595	38.29	0	0	0.00	213,825
LHD1	1,269,667	116,835	10.87	1,038,905	46,757	22.22	0	0	0.00	0
LHD2	219,450	23,273	9.43	400,280	19,958	20.06	0	0	0.00	0
MCY	431,035	11,625	37.08	0	0	0.00	0	0	0.00	0
MDV	10,907,785	502,746	21.70	304,990	10,494	29.06	0	0	0.00	129,775
MH	63,982	11,960	5.35	28,597	2,668	10.72	0	0	0.00	0
Motor coach	0	0	0.00	18,740	2,707	6.92	0	0	0.00	0
OBUS	43,428	8,209	5.29	0	0	0.00	0	0	0.00	0
PTO	0	0	0.00	35,070	6,580	5.33	0	0	0.00	0
SBUS	23,797	2,549	9.34	38,614	5,040	7.66	0	0	0.00	0
T6	364,690	70,509	5.17	1,944,223	168,688	11.53	0	0	0.00	0
T7	1,270	276	4.59	1,271,032	173,168	7.34	42,498	18,277	2.33	0
UBUS	20,291	4,851	4.18	0	0	0.00	87,535	22,657	3.86	0
Total	**85,775,486**	**3,062,132**	**28.01**	**5,790,518**	**452,836**	**12.79**	**130,033**	**40,935**	**3.18**	**2,032,611**

1,062,559,695

1.05%

81875000 11154809.42

Source: EMFAC2017 (v1.0.3) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
Orange (SC)	2024	All Other Buses	Aggregate	Aggregate	DSL	516.1339688	31167.1134	4335.525338	2.852839855
Orange (SC)	2024	LDA	Aggregate	Aggregate	GAS	1337490.995	50207250.91	6343722.318	1496.363092
Orange (SC)	2024	LDA	Aggregate	Aggregate	DSL	14052.74116	540279.7011	66848.46524	10.29037482
Orange (SC)	2024	LDA	Aggregate	Aggregate	ELEC	38213.64694	1612689.314	189628.5946	0
Orange (SC)	2024	LDT1	Aggregate	Aggregate	GAS	149731.2088	5404033.518	694761.265	188.4996059
Orange (SC)	2024	LDT1	Aggregate	Aggregate	DSL	44.08303123	944.9735888	151.0016428	0.036101695
Orange (SC)	2024	LDT1	Aggregate	Aggregate	ELEC	1734.875988	76322.38505	8717.218595	0
Orange (SC)	2024	LDT2	Aggregate	Aggregate	GAS	462837.1411	16818805.72	2167762.981	624.4348212
Orange (SC)	2024	LDT2	Aggregate	Aggregate	DSL	3391.132854	137673.4842	16547.13863	3.595286368
Orange (SC)	2024	LDT2	Aggregate	Aggregate	ELEC	6803.92639	213824.6052	34199.81692	0
Orange (SC)	2024	LHD1	Aggregate	Aggregate	GAS	35500.27712	1269667.479	528901.2337	116.8354543
Orange (SC)	2024	LHD1	Aggregate	Aggregate	DSL	26315.39616	1038905.117	331014.5789	46.75749537
Orange (SC)	2024	LHD2	Aggregate	Aggregate	GAS	6420.174666	219449.6556	95651.03647	23.27317245
Orange (SC)	2024	LHD2	Aggregate	Aggregate	DSL	10385.10939	400280.4391	130631.6116	19.95846307
Orange (SC)	2024	MCY	Aggregate	Aggregate	GAS	62471.01534	431035.3333	124942.0307	11.62453692
Orange (SC)	2024	MDV	Aggregate	Aggregate	GAS	313457.4392	10907785.12	1450691.697	502.7461045
Orange (SC)	2024	MDV	Aggregate	Aggregate	DSL	7889.854795	304989.8796	38231.32539	10.49400836
Orange (SC)	2024	MDV	Aggregate	Aggregate	ELEC	3994.854671	129775.1768	20300.83382	0
Orange (SC)	2024	MH	Aggregate	Aggregate	GAS	6712.679833	63982.30387	671.5364905	11.9599545
Orange (SC)	2024	MH	Aggregate	Aggregate	DSL	3130.727871	28597.15485	313.0727871	2.668408183
Orange (SC)	2024	Motor Coach	Aggregate	Aggregate	DSL	134.5750663	18740.4099	1964.795968	2.70691928
Orange (SC)	2024	OBUS	Aggregate	Aggregate	GAS	1021.888238	43427.56638	20445.93986	8.2094807
Orange (SC)	2024	PTO	Aggregate	Aggregate	DSL	0	35070.38273	0	6.579978979
Orange (SC)	2024	SBUS	Aggregate	Aggregate	GAS	584.491221	23797.35365	2337.964884	2.548887643
Orange (SC)	2024	SBUS	Aggregate	Aggregate	DSL	1229.046344	38613.77331	14183.02441	5.039661909
Orange (SC)	2024	T6 Ag	Aggregate	Aggregate	DSL	0.894541568	5.38222795	3.9359829	0.00061431
Orange (SC)	2024	T6 CAIRP heavy	Aggregate	Aggregate	DSL	100.4887577	19226.8223	1467.135863	1.534412597
Orange (SC)	2024	T6 CAIRP small	Aggregate	Aggregate	DSL	50.42856361	2555.061209	736.2570287	0.219656036
Orange (SC)	2024	T6 instate construction heavy	Aggregate	Aggregate	DSL	436.5984907	28468.30496	1973.844801	2.563996039
Orange (SC)	2024	T6 instate construction small	Aggregate	Aggregate	DSL	2746.66544	150929.8878	12417.56767	13.45857308
Orange (SC)	2024	T6 instate heavy	Aggregate	Aggregate	DSL	4920.928017	683146.592	56786.82706	56.43860486
Orange (SC)	2024	T6 instate small	Aggregate	Aggregate	DSL	19905.40508	1028696.111	229705.6148	91.3617365
Orange (SC)	2024	T6 OOS heavy	Aggregate	Aggregate	DSL	57.13612908	10919.85162	834.1874846	0.871762599
Orange (SC)	2024	T6 OOS small	Aggregate	Aggregate	DSL	30.22358569	1528.991618	441.264351	0.131372301
Orange (SC)	2024	T6 Public	Aggregate	Aggregate	DSL	839.8307045	12948.75237	2547.486468	1.546248807
Orange (SC)	2024	T6 utility	Aggregate	Aggregate	DSL	347.2427597	5797.573126	3993.291737	0.561111061
Orange (SC)	2024	T6TS	Aggregate	Aggregate	GAS	7456.463322	364690.4142	149188.9181	70.50895005
Orange (SC)	2024	T7 Ag	Aggregate	Aggregate	DSL	1.239149331	8.60202375	5.452257055	0.001622563
Orange (SC)	2024	T7 CAIRP	Aggregate	Aggregate	DSL	1000.664374	182133.8524	14609.69986	24.47391989
Orange (SC)	2024	T7 CAIRP construction	Aggregate	Aggregate	DSL	111.8994182	20449.03075	505.8929192	2.593999828
Orange (SC)	2024	T7 NNOOS	Aggregate	Aggregate	DSL	1145.781657	222045.6433	16728.4122	28.16083381
Orange (SC)	2024	T7 NOOS	Aggregate	Aggregate	DSL	397.6758856	71559.73866	5806.06793	9.873150495
Orange (SC)	2024	T7 POLA	Aggregate	Aggregate	DSL	1420.853619	193898.6803	10798.4875	27.09774475
Orange (SC)	2024	T7 Public	Aggregate	Aggregate	DSL	1048.781355	21249.3448	3181.30344	3.539722429
Orange (SC)	2024	T7 Single	Aggregate	Aggregate	DSL	2508.793583	176621.4574	28951.13012	24.0825349
Orange (SC)	2024	T7 single construction	Aggregate	Aggregate	DSL	725.7727454	50730.2841	3281.190364	6.888315634
Orange (SC)	2024	T7 SWCV	Aggregate	Aggregate	DSL	258.1315809	10546.83816	1006.713166	5.162530888
Orange (SC)	2024	T7 SWCV	Aggregate	Aggregate	NG	1043.368776	42497.96197	4069.138227	18.27738533
Orange (SC)	2024	T7 tractor	Aggregate	Aggregate	DSL	2127.185413	278562.5722	27015.25475	35.3688573
Orange (SC)	2024	T7 tractor construction	Aggregate	Aggregate	DSL	614.5826567	41848.01805	2778.504296	5.714463616
Orange (SC)	2024	T7 utility	Aggregate	Aggregate	DSL	67.92421333	1378.118004	781.1284533	0.210203008
Orange (SC)	2024	T7IS	Aggregate	Aggregate	GAS	10.12464296	1269.902073	202.5738563	0.276397571
Orange (SC)	2024	UBUS	Aggregate	Aggregate	GAS	214.7743581	20290.53631	859.0974323	4.851227153
Orange (SC)	2024	UBUS	Aggregate	Aggregate	DSL	0	0	0	0
Orange (SC)	2024	UBUS	Aggregate	Aggregate	NG	755.7801313	87535.02065	3023.120525	22.65714971

EMFAC Fuel Usage: Year 2025

Vehicle type	GAS			DSL			NG			ELEC
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day
All other buses	0	0	0.00	31,942	2,863	11.16	0	0	0.00	0
LDA	50,397,810	1,458,140	34.56	556,199	10,302	53.99	0	0	0.00	1,893,890
LDT1	5,474,703	185,929	29.45	914	34	26.85	0	0	0.00	95,830
LDT2	16,783,491	601,632	27.90	142,974	3,627	39.42	0	0	0.00	251,954
LHD1	1,249,765	113,451	11.02	1,065,628	47,190	22.58	0	0	0.00	0
LHD2	216,895	22,707	9.55	411,549	20,198	20.38	0	0	0.00	0
MCY	435,214	11,744	37.06	0	0	0.00	0	0	0.00	0
MDV	10,814,941	481,858	22.44	314,811	10,519	29.93	0	0	0.00	159,630
MH	63,527	11,672	5.44	28,623	2,637	10.86	0	0	0.00	0
Motor coach	0	0	0.00	19,038	2,696	7.06	0	0	0.00	0
OBUS	43,165	8,009	5.39	0	0	0.00	0	0	0.00	0
PTO	0	0	0.00	35,998	6,675	5.39	0	0	0.00	0
SBUS	24,717	2,622	9.43	38,030	4,896	7.77	0	0	0.00	0
T6	351,384	67,141	5.23	1,976,807	168,627	11.72	0	0	0.00	0
T7	1,372	292	4.69	1,293,739	172,953	7.48	44,800	18,958	2.36	0
UBUS	20,409	4,654	4.39	0	0	0.00	88,045	22,789	3.86	0
Total	**85,877,395**	**2,969,850**	**28.92**	**5,916,252**	**453,215**	**13.05**	**132,846**	**41,747**	**3.18**	**2,401,303**

Source: EMFAC2017 (v1.0.3) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
Orange (SC)	2025	All Other Buses	Aggregate	Aggregate	DSL	541.3303258	31941.861	4547.175	2.862587302
Orange (SC)	2025	LDA	Aggregate	Aggregate	GAS	1356591.668	50397810	6432075	1458.140125
Orange (SC)	2025	LDA	Aggregate	Aggregate	DSL	14618.32023	556198.82	69566.93	10.30203077
Orange (SC)	2025	LDA	Aggregate	Aggregate	ELEC	43941.61653	1893890.2	217774.1	0
Orange (SC)	2025	LDT1	Aggregate	Aggregate	GAS	153386.8857	5474702.8	711646.4	185.9289769
Orange (SC)	2025	LDT1	Aggregate	Aggregate	DSL	41.26894589	914.13929	143.5772	0.034041937
Orange (SC)	2025	LDT1	Aggregate	Aggregate	ELEC	2138.134593	95829.665	10724.19	0
Orange (SC)	2025	LDT2	Aggregate	Aggregate	GAS	466551.4378	16783491	2184107	601.6319646
Orange (SC)	2025	LDT2	Aggregate	Aggregate	DSL	3599.452575	142974.45	17496.74	3.627101339
Orange (SC)	2025	LDT2	Aggregate	Aggregate	ELEC	8168.942609	251953.69	40942.62	0
Orange (SC)	2025	LHD1	Aggregate	Aggregate	GAS	35252.08763	1249765.5	525203.6	113.4508505
Orange (SC)	2025	LHD1	Aggregate	Aggregate	DSL	27398.17496	1065628.5	344634.6	47.1897775
Orange (SC)	2025	LHD2	Aggregate	Aggregate	GAS	6407.28234	216895.02	95458.96	22.70664721
Orange (SC)	2025	LHD2	Aggregate	Aggregate	DSL	10858.86008	411549.47	136590.8	20.1979956
Orange (SC)	2025	MCY	Aggregate	Aggregate	GAS	63966.20146	435213.87	127932.4	11.74439185
Orange (SC)	2025	MDV	Aggregate	Aggregate	GAS	313655.6471	10814941	1451269	481.8576229
Orange (SC)	2025	MDV	Aggregate	Aggregate	DSL	8287.890534	314810.76	40027.3	10.51862899
Orange (SC)	2025	MDV	Aggregate	Aggregate	ELEC	5021.826358	159629.86	25422.92	0
Orange (SC)	2025	MH	Aggregate	Aggregate	GAS	6647.438299	63527.468	665.0097	11.67173417
Orange (SC)	2025	MH	Aggregate	Aggregate	DSL	3177.421283	28622.68	317.7421	2.636668404
Orange (SC)	2025	Motor Coach	Aggregate	Aggregate	DSL	143.5465257	19038.377	2095.779	2.696060982
Orange (SC)	2025	OBUS	Aggregate	Aggregate	GAS	1026.704567	43165.353	20542.3	8.00888944
Orange (SC)	2025	PTO	Aggregate	Aggregate	DSL	0	35997.772	0	6.6746876
Orange (SC)	2025	SBUS	Aggregate	Aggregate	GAS	613.1860175	24717.046	2452.744	2.622497541
Orange (SC)	2025	SBUS	Aggregate	Aggregate	DSL	1208.473938	38029.627	13945.62	4.895665661
Orange (SC)	2025	T6 Ag	Aggregate	Aggregate	DSL	0.921118861	4.4230273	4.052923	0.000516777
Orange (SC)	2025	T6 CAIRP heavy	Aggregate	Aggregate	DSL	104.1690977	19567.356	1520.869	1.517615809
Orange (SC)	2025	T6 CAIRP small	Aggregate	Aggregate	DSL	52.48326384	2593.442	766.2557	0.218410056
Orange (SC)	2025	T6 instate constr	Aggregate	Aggregate	DSL	444.3714558	28250.843	2008.986	2.516016808
Orange (SC)	2025	T6 instate constr	Aggregate	Aggregate	DSL	2795.992993	149776.97	12640.58	13.1554533
Orange (SC)	2025	T6 instate heavy	Aggregate	Aggregate	DSL	5230.706335	702216.72	60361.63	56.93836517
Orange (SC)	2025	T6 instate small	Aggregate	Aggregate	DSL	20726.61568	1043077.2	239182.3	91.23366169
Orange (SC)	2025	T6 OOS heavy	Aggregate	Aggregate	DSL	59.20440768	11106.897	864.3844	0.86176527
Orange (SC)	2025	T6 OOS small	Aggregate	Aggregate	DSL	31.53465692	1555.6775	460.406	0.130962265
Orange (SC)	2025	T6 Public	Aggregate	Aggregate	DSL	828.5244385	12810.51	2513.191	1.500479783
Orange (SC)	2025	T6 utility	Aggregate	Aggregate	DSL	351.185363	5846.7152	4038.632	0.553330301
Orange (SC)	2025	T6TS	Aggregate	Aggregate	GAS	7391.162216	351384.27	147882.4	67.14052802
Orange (SC)	2025	T7 Ag	Aggregate	Aggregate	DSL	1.404114204	8.8707221	6.178102	0.001698795
Orange (SC)	2025	T7 CAIRP	Aggregate	Aggregate	DSL	1007.562357	185004.24	14710.41	24.2584849
Orange (SC)	2025	T7 CAIRP constru	Aggregate	Aggregate	DSL	111.0806667	20292.826	502.1914	2.51708576
Orange (SC)	2025	T7 NNOOS	Aggregate	Aggregate	DSL	1184.757388	225545.35	17297.46	27.80037435
Orange (SC)	2025	T7 NOOS	Aggregate	Aggregate	DSL	401.3587266	72687.947	5859.837	9.794598053
Orange (SC)	2025	T7 POLA	Aggregate	Aggregate	DSL	1440.827984	203155.4	10950.29	28.15771668
Orange (SC)	2025	T7 Public	Aggregate	Aggregate	DSL	1054.617328	21367.73	3199.006	3.496328659
Orange (SC)	2025	T7 Single	Aggregate	Aggregate	DSL	2555.27473	181291.98	29487.52	24.41958191
Orange (SC)	2025	T7 single constru	Aggregate	Aggregate	DSL	719.4667645	50342.768	3252.681	6.746326335
Orange (SC)	2025	T7 SWCV	Aggregate	Aggregate	DSL	235.2713798	9612.8074	917.5584	4.705235534
Orange (SC)	2025	T7 SWCV	Aggregate	Aggregate	NG	1099.760542	44800.415	4289.066	18.95785887
Orange (SC)	2025	T7 tractor	Aggregate	Aggregate	DSL	2232.119212	281510.86	28347.91	35.23734034
Orange (SC)	2025	T7 tractor constr	Aggregate	Aggregate	DSL	611.9228279	41528.351	2766.479	5.60852589
Orange (SC)	2025	T7 utility	Aggregate	Aggregate	DSL	68.51957475	1389.9824	787.9751	0.209608852
Orange (SC)	2025	T7IS	Aggregate	Aggregate	GAS	10.57114545	1371.9723	211.5075	0.292400454
Orange (SC)	2025	UBUS	Aggregate	Aggregate	GAS	216.026803	20408.859	864.1072	4.653686261
Orange (SC)	2025	UBUS	Aggregate	Aggregate	DSL	0	0	0	0
Orange (SC)	2025	UBUS	Aggregate	Aggregate	NG	760.1874218	88045.476	3040.75	22.78927364

Construction-Related Fuel/Energy Usage (Option 2)

CONSTRUCTION WORKER COMMUTE

Year	Gas		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
2022	94,682	3,196	753	16	1,582	520
2023	3,249,564	110,116	23,328	506	52,956	17,274
2024	5,085,022	162,229	43,360	878	120,200	38,895
2025	2,692,434	86,043	20,565	423	61,880	19,863
2026	3,080,774	95,746	24,099	483	78,858	25,111
2027	3,354,660	100,063	26,760	524	93,768	29,620
2028	974,319	47,785	7,902	152	29,286	9,177
Total	**14,202,476**	**457,330**	**112,105**	**2,306**	**315,476**	**101,663**

CONSTRUCTION VENDOR TRIPS

Year	Gas		Diesel	
	VMT	Gallons	VMT	Gallons
2022	524	103	5,317	645
2023	12,518	2,438	133,280	15,277
2024	13,069	2,529	146,290	16,504
2025	9,302	1,779	111,091	12,336
2026	6,119	1,156	76,537	8,331
2027	6,394	1,192	83,835	8,934
2028	1,531	281	20,931	2,184
Total	**41,533**	**8,005**	**472,515**	**53,093**

CONSTRUCTION TRUCK HAUL TRIPS

Year	Gas		Diesel	
	VMT	Gallons	VMT	Gallons
2022	60	14	67,860	9,973
2023	29	7	31,223	4,318
Total	**89**	**20**	**99,083**	**14,291**

CONSTRUCTION OFF-ROAD EQUIPMENT

Year	Gasoline gallons	Diesel gallons
2022	5,377	61,346
2023	3,763	37,548
2024	1,664	11,313
2025	4,211	7,574
2026	1,518	9,293
2027	1,658	10,149
2028	2,890	2,850
Total	**16,533**	**127,074**

CONSTRUCTION TOTAL

Year	Gas		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
2022	95,266	8,690	73,930	71,980	1,582	520
2023	3,262,112	116,324	187,832	57,648	52,956	17,274
2024	5,098,091	166,421	189,650	28,696	120,200	38,895
2025	2,701,736	92,033	131,656	20,333	61,880	19,863
2026	3,086,893	98,420	100,636	18,108	78,858	25,111
2027	3,361,054	102,913	110,595	19,607	93,768	29,620
2028	975,850	50,956	28,833	5,186	29,286	9,177
Total	**14,244,099**	**481,889**	**683,704**	**196,764**	**315,476**	**101,663**

Operation-Related Vehicle Fuel/Energy Usage

EXISTING CONDITIONS COMMUTE

Vehicle Type	Gas		Diesel		CNG		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	Gallons	VMT	kWh
Passenger Vehicles	101,800,411	4,191,875	4,256,082	320,675	47,973	14,760	927,718	310,930

PROPOSED PROJECT COMMUTE

Vehicle Type	Gas		Diesel		CNG		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	Gallons	VMT	kWh
Passenger Vehicles	98,123,302	3,129,131	5,077,290	300,559	50,721	15,858	3,508,794	1,099,495
Net Change	**-3,677,109**	**-1,062,744**	**821,208**	**-20,116**	**2,748**	**1,098**	**2,581,076**	**788,565**

Construction Worker Trips Fuel Usage Worksheet

Note: Per CalEEMod methodology, worker vehicles are "LD_Mix", which is 50% LDA, 25% LDT1, and 25% LDT2

Activity[1]	Daily trips[1,2]	Trip miles[2]	Trip days[1]	Annual VMT
2022				
Building Demolition	10	14.7	88	12,936
Asphalt Demolition	3	14.7	32	1,411
Building Demolition Debris Haul	0	14.7	6	0
Asphalt Demolition Debris Haul	0	14.7	6	0
Site Preparation 2022	35	14.7	98	50,421
Site Preparation Soil Haul 2022	0	14.7	65	0
				0
2023				
Site Preparation 2023	35	14.7	33	16,979
Site Preparation Soil Haul 2023	0	14.7	33	0
Retail and Residential Building A Building Construction 2023	910	14.7	238	3,183,726
Retail Architectural Coating 2023	182	14.7	50	133,770
				0
2024				
Retail and Residential Building A Building Construction 2024	910	14.7	262	3,504,774
Finishing and Landscaping	3	14.7	22	970
Paving	8	14.7	5	588
				0
2025				
Retail and Residential Building A Building Construction 2025	910	14.7	195	2,608,515
Residential Building A Architectural Coating	182	14.7	66	176,576
				0
2026				
Residential Building B Building Construction 2026	910	14.7	239	3,197,103
				0
2027				
Residential Building B Building Construction 2027	910	14.7	261	3,491,397
				0
2028				
Residential Building B Building Construction 2028	910	14.7	65	869,505
Residential Building B Architectural Coating	182	14.7	55	147,147
				0

[1] *Based on information provided.*
[2] *Based on CalEEMod defaults.*

Year	LDA VMT	LDT1 VMT	LDT2 VMT	Gasoline[1]						Diesel[1]						Electricity[1]			
				LDA mpg	LDA gallons	LDT1 mpg	LDT1 gallons	LDT2 mpg	LDT2 gallons	LDA mpg	LDA gallons	LDT1 mpg	LDT1 gallons	LDT2 mpg	LDT2 gallons	LDA m/kWh	LDA kWh	LDT1 m/kWh	LDT1 kWh
2022	64,768	16,192	16,192	31.75	1,975	27.27	589	25.19	633	49.81	13	25.09	0	36.22	3	3.04	477	3.04	44
2023	1,667,237	833,619	833,619	32.64	49,221	27.97	29,476	26.05	31,419	51.12	328	25.61	6	37.23	172	3.07	14,304	3.07	2,970
2024	3,506,332	876,583	876,583	33.55	100,205	28.67	30,145	26.93	31,879	52.50	689	26.18	6	38.29	184	3.09	34,945	3.09	3,950
2025	1,392,546	696,273	696,273	34.56	38,422	29.45	23,236	27.90	24,385	53.99	271	26.85	4	39.42	147	3.12	16,019	3.12	3,844
2026	1,598,552	799,276	799,276	35.52	42,748	30.17	25,963	28.82	27,035	55.37	309	27.66	4	40.45	170	3.14	20,088	3.14	5,023
2027	1,745,699	872,849	872,849	36.42	45,371	30.86	27,658	29.70	27,035	56.64	335	29.05	4	41.41	186	3.17	23,546	3.17	6,074
2028	508,326	254,163	254,163	37.24	12,877	31.50	7,873	30.54	27,035	57.79	97	30.13	1	42.29	54	3.19	7,257	3.19	1,920
	32384.1																		

[1] *EMFAC2017 v1.0.3.*

Gasoline		Diesel		Electricity	
VMT	Gallons	VMT	Gallons	VMT	kWh
94,682	3,196	753	16	1,582	520
3,249,564	110,116	23,328	506	52,956	17,274
5,085,022	162,229	43,360	878	120,200	38,895
2,692,434	86,043	20,565	423	61,880	19,863
3,080,774	95,746	24,099	483	78,858	25,111
3,354,660	100,063	26,760	524	93,768	29,620
974,319	47,785	7,902	152	29,286	9,177
8,429,268	**275,541**	**67,441**	**1,400**	**174,738**	**56,689**

Year	VMT from gasoline			VMT from diesel			VMT from electricity	
	LDA	LDT1	LDT2	LDA	LDT1	LDT2	LDA	LDT1
2022	96.79%	99.16%	98.44%	0.98%	0.02%	0.73%	2.24%	0.82%
2023	96.36%	98.89%	98.20%	1.01%	0.02%	0.77%	2.63%	1.09%
2024	95.89%	98.59%	97.95%	1.03%	0.02%	0.80%	3.08%	1.39%
2025	95.36%	98.26%	97.70%	1.05%	0.02%	0.83%	3.58%	1.72%
2026	94.98%	98.01%	97.47%	1.07%	0.02%	0.86%	3.95%	1.97%
2027	94.64%	97.78%	97.26%	1.09%	0.01%	0.88%	4.27%	2.20%
2028	94.35%	97.58%	97.08%	1.10%	0.01%	0.90%	4.56%	2.41%

Appendix C: Evidence Used to Define the Average Number of KWH Required to Displace a Gallong of Gasoline

Table A 3: Evidence from U.S. Department of Energy and U.S. Environmental Protection Agency's fuel economy website[3,2]

Vehicle	Model year	Electric consumption	Gasoline fuel economy	Number of kWh that are equivalent to 1 gallon
Ford Fusion Energi & Ford C-Max Energi	2013	0.34 kWh per mile	43 mpg	14.6
Chevrolet Volt	2013	0.35 kWh per mile	37 mpg	12.9
Chevrolet Volt	2012	0.36 kWh per mile	37 mpg	13.3
Fisker Karma	2012	0.62 kWh per mile	20 mpg	12.4
Toyota Prius	2013	0.29 kWh per mile & 0.2 gal	50 mpg	13.1
Average for five models	-	-	-	13.3 +/- 0.8

Table A 5: Average power consumption per mile traveled over time for different PEV categories

Year range	2012- 2020	2020-2030	2030-2040	2040-2050	2050
Efficiency improvement per year	0.3%	0.8%	0.9%	0.9%	
Year	2012	2020	2030	2040	2050
Relative energy efficiency	1.000	0.976	0.901	0.823	0.752

https://www.fhwa.dot.gov/environment/climate_change/mitigation/publications_and_tools/ev_deployment/page08.cfm

0.34	14.6
0.35	12.9
0.36	13.3
0.34	13.3

Year	Estimated Electric Consumption
2013	0.34
2014	0.34
2015	0.34
2016	0.34
2017	0.34
2018	0.34
2019	0.34
2020	0.33
2021	0.33
2022	0.33
2023	0.33
2024	0.32
2025	0.32
2026	0.32
2027	0.32
2028	0.31
2029	0.31
2030	0.31
2031	0.31
2032	0.30
2033	0.30
2034	0.30
2035	0.29

Vendor Trips Fuel Usage Worksheet

Note: Based on CalEEMod methodology, vendor vehicles are 50% MHDT (T6) and 50% HHDT (T7).

Activity[1]	Daily trips[1,2]	Trip miles[2]	Trip days[1]	Annual VMT
2022				
Building Demolition	4	6.9	88	2,429
Asphalt Demolition	4	6.9	32	883
Building Demolition Debris Haul	0	6.9	6	0
Asphalt Demolition Debris Haul	0	6.9	6	0
Site Preparation 2022	4	6.9	98	2,705
Site Preparation Soil Haul 2022	0	6.9	65	0
			0	
2023				
Site Preparation 2023	4	6.9	33	911
Site Preparation Soil Haul 2023	0	6.9	33	0
Retail and Residential Building A Building Construction 2023	91	6.9	238	149,440
Retail Architectural Coating 2023	0	6.9	50	0
2024				
Retail and Residential Building A Building Construction 2024	91	6.9	262	164,510
Finishing and Landscaping	0	6.9	22	0
Paving	0	6.9	5	0
2025				
Retail and Residential Building A Building Construction 2025	91	6.9	195	122,441
Residential Building A Architectural Coating	0	6.9	66	0
				0
2026				
Residential Building B Building Construction 2026	51	6.9	239	84,104
				0
2027				
Residential Building B Building Construction 2027	51	6.9	261	91,846
				0
2028				
Residential Building B Building Construction 2028	51	6.9	65	22,874
Residential Building B Architectural Coating	0	6.9	55	0
				0

[1] *Based on information provided.*

[2] *Based on CalEEMod defaults.*

Year	HHDT (T7) VMT	MHDT (T6) VMT	Gasoline[1]				Diesel[1]			
			HHDT (T7) mpg	HHDT (T7) gallons	MHDT (T6) mpg	MHDT (T6) gallons	HHDT (T7) mpg	HHDT (T7) gallons	MHDT (T6) mpg	MHDT (T6) gallons
2022	3,008	3,008	4.40	1	5.10	102	6.80	416	10.88	229
2023	75,176	75,176	4.50	15	5.14	2,423	7.23	9,757	11.36	5,520
2024	82,255	82,255	4.59	17	5.17	2,512	7.34	10,494	11.53	6,010
2025	61,220	61,220	4.69	13	5.23	1,765	7.48	7,902	11.72	4,434
2026	42,052	42,052	4.78	9	5.30	1,147	7.63	5,313	11.92	3,018
2027	45,923	45,923	4.87	11	5.37	1,181	7.80	5,673	12.14	3,261
2028	11,437	11,437	4.95	3	5.45	279	7.97	1,381	12.34	804

[1] *EMFAC2017 v1.0.3.*

Year	VMT from gasoline		VMT from diesel	
	HHDT (T7)	MHDT (T6)	HHDT (T7)	MHDT (T6)
2022	0.08%	17.35%	94.09%	82.65%
2023	0.09%	16.56%	93.86%	83.44%
2024	0.09%	15.79%	93.64%	84.21%
2025	0.10%	15.09%	96.55%	84.91%
2026	0.11%	14.44%	96.45%	85.56%
2027	0.11%	13.81%	96.37%	86.19%
2028	0.12%	13.27%	96.28%	86.73%

VENDOR

Gasoline		Diesel	
VMT	Gallons	VMT	Gallons
524.47	102.96	5,317	645
12,518.21	2,438.15	133,280	15,277
13,069.03	2,528.63	146,290	16,504
9,302	1,779	111,091	12,336
6,119.20	1,156.16	76,537	8,331
6,393.73	1,191.56	83,835	8,934
1,530.59	281.23	20,931	2,184
41,533.31	**8,004.73**	**472,515.20**	**53,092.68**

Truck Haul Trips Fuel Usage Worksheet

Note: Hauling vehicles are HHDT (T7)

Activity	Total Trips[1]	Mi/Trip[1]	Annual VMT
2022			
Building Demolition Debris Haul	160	20	3,200
Asphalt Demolition Debris Haul	163	20	3,260
Site Preparation Soil Haul 2022	3,178	20	63,560
			0
2023			
Site Preparation Soil Haul 2023	1613	20	32,260
			0

[1] *Based on information provided.*

[2] *Based on CalEEMod defaults.*

Year	VMT	Gasoline[1]		Diesel[1]	
		HHDT (T7) mpg	HHDT (T7) gallons	HHDT (T7) mpg	HHDT (T7) gallons
2022	70,020	4.40	14	6.80	9,973
2023	32,260	4.50	7	7.23	4,318

[1] *EMFAC2017 v1.0.3.*

Gasoline		Diesel	
VMT	Gallons	VMT	Gallons
60	14	67,860	9,973
29	7	31,223	4,318
89	**20**	**99,083**	**14,291**

Year	VMT from gasoline	VMT from diesel
2022	0.09%	96.91%
2023	0.09%	96.79%

Off-Road Construction Equipment Fuel Usage Worksheet

Year	Total Gasoline	Total Diesel Gallons	Total Natural Gas
2022	5,377	61,346	0
2023	3,763	37,548	0
2024	1,664	11,313	0
2025	4,211	7,574	0
2026	1,518	9,293	0
2027	1,658	10,149	0
2028	2,890	2,850	0
Total	**16,533**	**127,074**	**0**

Equipment Type[1]	Number of Equipment[1]	Horsepower	OFFROAD2017 Horsepower Category	Fuel Type	Working days[1]	Hours Per Day	Total Hours of Operation	Gasoline Gal/Hr[2]	Total Gasoline gallons	Diesel Gal/Hr[2]	Total Diesel gallons	Natural Gas Gal/Hr[2]	Total Natural Gas gallons
2022													
Building Demolition													
Crushing/Proc. Equipment	1	350	*100*	*Gasoline*	88	8	704	7.64	5,377	0.00	0	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	88	8	704	0.00	0	1.59	1,120	0.00	0
Excavators	2	131	*175*	*Diesel*	88	8	1,408	0.00	0	2.89	4,062	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	88		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	88		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	88		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	88		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	88		0	0.00	0	0.00	0	0.00	0
Asphalt Demolition													
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	32	8	256	0.00	0	1.59	407	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	32		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	32		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	32		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	32		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	32		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	32		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	32		0	0.00	0	0.00	0	0.00	0
Site Preparation 2022													
Excavators	1	101	*175*	*Diesel*	65	8	520	0.00	0	2.89	1,500	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	65	8	520	0.00	0	1.59	827	0.00	0
Graders	4	238	*300*	*Diesel*	65	8	2,080	0.00	0	4.58	9,521	0.00	0
Scrapers	8	365	*600*	*Diesel*	65	8	4,160	0.00	0	10.55	43,908	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	65		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	65		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	65		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	65		0	0.00	0	0.00	0	0.00	0
							TOTAL		**5,377**		**61,346**		**0**
2023													
Site Preparation 2023													
Excavators	1	101	*175*	*Diesel*	33	8	264	0.00	0	2.89	762	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	33	8	264	0.00	0	1.59	420	0.00	0
Graders	4	238	*300*	*Diesel*	33	8	1,056	0.00	0	4.55	4,802	0.00	0
Scrapers	8	365	*600*	*Diesel*	33	8	2,112	0.00	0	10.55	22,291	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	33		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	33		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	33		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	33		0	0.00	0	0.00	0	0.00	0
Retail and Residential Building A Building Construction 2023													
Concrete/Industrial Saws	1	23	*25*	*Gasoline*	238	8	1,904	0.79	1,512	0.00	0	0.00	0
Cranes	1	300	*300*	*Diesel*	238	8	1,904	0.00	0	3.28	6,241	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	238	8	1,904	0.00	0	1.59	3,032	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	238		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	238		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	238		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	238		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	238		0	0.00	0	0.00	0	0.00	0
Retail Architectural Coating 2023													
Air Compressors	2	78	*100*	*Gasoline*	50	6	600	3.75	2,252	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	50		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	50		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	50		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	50		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	50		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	50		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	50		0	0.00	0	0.00	0	0.00	0
							TOTAL		**3,763**		**37,548**		**0**
2024													
Retail and Residential Building A Building Construction 2024													
Concrete/Industrial Saws	1	23	*25*	*Gasoline*	262	8	2,096	0.79	1,664	0.00	0	0.00	0
Cranes	1	300	*300*	*Diesel*	262	8	2,096	0.00	0	3.27	6,855	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	262	8	2,096	0.00	0	1.59	3,340	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	262		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	262		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	262		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	262		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	262		0	0.00	0	0.00	0	0.00	0
Finishing and Landscaping 2024													
Graders	1	238	*300*	*Diesel*	22	8	176	0.00	0	4.53	798	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	22		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	22		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	22		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	22		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	22		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	22		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	22		0	0.00	0	0.00	0	0.00	0
Paving 2024													
Pavers	1	188	*300*	*Diesel*	5	8	40	0.00	0	4.74	190	0.00	0
Rollers	1	86	*100*	*Diesel*	5	8	40	0.00	0	1.69	68	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	5	8	40	0.00	0	1.59	64	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	5		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	5		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	5		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	5		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	5		0	0.00	0	0.00	0	0.00	0
							TOTAL		**1,664**		**11,313**		**0**
2025													
Retail and Residential Building A Building Construction 2025													
Concrete/Industrial Saws	1	23	*25*	*Gasoline*	195	8	1,560	0.79	1,238	0.00	0	0.00	0
Cranes	1	300	*300*	*Diesel*	195	8	1,560	0.00	0	3.26	5,086	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	195	8	1,560	0.00	0	1.59	2,488	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	195		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	195		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	195		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	195		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	195		0	0.00	0	0.00	0	0.00	0
Residential Building A Architectural Coating													
Air Compressors	2	78	*100*	*Gasoline*	66	6	792	3.75	2,973	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	66		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	66		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	66		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	66		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	66		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	66		0	0.00	0	0.00	0	0.00	0
							TOTAL		**4,211**		**7,574**		**0**
2026													
Residential Building B Building Construction													
Concrete/Industrial Saws	1	23	*25*	*Gasoline*	239	8	1,912	0.79	1,518	0.00	0	0.00	0
Cranes	1	300	*300*	*Diesel*	239	8	1,912	0.00	0	3.26	6,241	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	239	8	1,912	0.00	0	1.60	3,052	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	239		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	239		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	239		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	239		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	239		0	0.00	0	0.00	0	0.00	0
							TOTAL		**1,518**		**9,293**		**0**
2027													
Residential Building B Building Construction 2027													
Concrete/Industrial Saws	1	23	*25*	*Gasoline*	261	8	2,088	0.79	1,658	0.00	0	0.00	0

Cranes	1	300	*300*	*Diesel*	261	8	2,088	0.00	0	3.26	6,815	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	261	8	2,088	0.00	0	1.60	3,333	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	261	8	0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	261		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	261		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	261		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	261		0	0.00	0	0.00	0	0.00	0
							TOTAL		**1,658**		**10,149**		**0**
2028													
Residential Building B Building Construction 2028													
Concrete/Industrial Saws	1	23	*25*	*Gasoline*	65	8	520	0.79	413	0.00	0	0.00	0
Cranes	1	300	*300*	*Diesel*	65	8	520	0.00	0	3.26	1,697	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	65	8	520	0.00	0	1.60	830	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	65		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	65		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	65		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	65		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	65		0	0.00	0	0.00	0	0.00	0
Residential Building B Architectural Coating													
Air Compressors	2	78	*100*	*Gasoline*	55	6	660	3.75	2,477	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	55		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	55		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	55		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	55		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	55		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	55		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	55		0	0.00	0	0.00	0	0.00	0
Paving 2028													
Pavers	1	188	*300*	*Diesel*	5	8	40	0.00	0	4.76	191	0.00	0
Rollers	1	86	*100*	*Diesel*	5	8	40	0.00	0	1.69	68	0.00	0
Tractors/Loaders/Backhoes	1	97	*100*	*Diesel*	5	8	40	0.00	0	1.60	64	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	5		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	5		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	5		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	5		0	0.00	0	0.00	0	0.00	0
Select Equipment Type			*25*	*Select Fuel Type*	5		0	0.00	0	0.00	0	0.00	0
							TOTAL		**2,890**		**2,850**		**0**

[1] Based on information provided.

[2] OFFROAD2017 v.1.0.1

OFFROAD 2022

	Equipment Type	Horsepower HP	Gasoline				Diesel				Natural Gas			
			Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	167634.95	1147.69	554795.35	0.302153309	8048.25	18.04	14694.8	0.547690955	0	0	0	0
Air Compressors50	Air Compressors	50	51107.3	47.54	22980.4	2.223951715	90706.15	109.07	88797.2	1.021497865	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	279732.35	154.21	74529.35	3.753137988	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	34113.65	10.36	5018.75	6.837090909	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	34251.6	105.53	39606.15	0.864805087	28984.65	158.63	63093.9	0.459383301	52782.65	119.01	44605.05	1.181743881
Aerial Lifts50	Aerial Lifts	50	72138.6	126	45526.45	1.584542612	114923.2766	464.4663277	140563.3895	0.817593392	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	141712.9508	407.2574925	122300.3901	1.152785419	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	129688.15	126	45526.45	2.848633047	58814.57377	155.4066193	46972.23181	1.252087024	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	12255.43601	37.50902415	5894.689864	2.079053749	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	732.9577609	6.057578446	199.8115078	3.665242855	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	520.0810161	0.219191283	66.60383586	7.808560864	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	4347.15	26.82	3321.5	1.308791209	3522.25	6.55	5299.8	0.664606955	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	689.85	2.51	262.8	2.623	3116.601053	7.655787819	2725.003055	1.143705746	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	4858.336931	5.382368535	2664.521077	1.823152669	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	7873.05	11.48	1237.35	6.362831858	14868.48466	17.48743112	6675.571651	2.137038007	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	2741.15	2.86	321.2	8.534909999	22746.54998	18.45447803	5841.804123	3.89375431	0	0	0	0
Bore/Drill rigs300	Bore/Drill rigs	300	0	0	0	0	3241.749378	18.77682957	6074.98594	5.271139431	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	54977.42408	15.55333736	5251.989773	10.46752291	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	29757.28077	3.342602368	1772.941246	16.78413246	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	17031.11048	0.483529443	352.6734469	48.29146533	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	141284.4	4041.67	372175.9	0.186891075	9102.6	91.01	27720.25	0.330269521	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	128948.5	568.88	161662.15	0.793931049	288.35	0.65	183.25	0.752380952	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	15771.65	9.34	5701.1	2.766352524	4586.7	5.69	3321.5	1.382417582	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	15388.4	5.35	3266.75	4.710614525	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	60.21120479	0.30363275	145.4461827	0.413975854	0	0	0	0
Cranes50	Cranes	50	2282.2	2.86	1175.3	1.950310559	975.520139	3.238749338	1414.920814	0.689452302	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	391.501185	1.012109168	377.3738794	1.042719663	0	0	0	0
Cranes100	Cranes	100	7825.6	5.69	2357.9	3.318885449	22064.75294	38.05130473	16880.90906	1.307202583	0	0	0	0
Cranes175	Cranes	175	500.05	0.25	102.2	4.892857143	67503.49957	67.71010335	30931.47777	2.182356112	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	116397.0646	75.19971119	35448.51824	3.283552328	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	202644.6743	74.89607844	37132.59542	5.465405898	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	4072.624148	1.012109168	432.2919531	9.421003835	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	11211.28173	1.010376669	802.7248126	13.96644497	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	3159.496798	8.982743298	3065.467515	1.030673784	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	340.0479247	1.077925186	218.7713819	1.554352854	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	139197.2644	153.2455996	71654.70847	1.942611552	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	152245.4399	101.4153711	45980.57316	3.311081378	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	159713.5451	78.59900332	35075.45587	4.553427493	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	558489.9751	137.5257989	65310.33834	8.551325766	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	5795.925828	0.988101756	417.4305764	13.74102893	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	32209.27762	2.694829717	1491.99521	21.58804253	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	1908.95	6.72	1841.8	0.983082707	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	6077.25	3.3	795.7	7.637614679	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	1371.65	269.38	4015.55	0.341328249	908.85	3.9	2598.9	0.349715935	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	642.4	2.02	259.15	2.478873239	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	6351.182284	6.310021161	8516.633428	0.745973434	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	126332.3051	219.617211	160707.6388	0.786103562	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	29.77117849	0.090030754	28.48699888	1.045110672	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	163965.5381	158.2324004	102484.2477	1.599099649	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	346075.5468	202.785892	119950.2162	2.885159842	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	44184.01093	175.4237477	102228.4355	4.322026535	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	785787.1276	182.9843602	117646.5698	6.679218348	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	6257.766077	0.990077953	485.8169755	12.88078924	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	21816.62454	1.350105806	916.4204665	23.80634801	0	0	0	0
Forklifts25	Forklifts	25	1489.2	2.41	2175.4	0.684563758	37.19250492	0.218513203	64.33811466	0.578259496	1397.35	1.34	1427.15	0.979539642
Forklifts50	Forklifts	50	1204875.05	421.44	757608.6	1.590367308	81119.34249	227.6085075	161153.3886	0.503167278	1859700.55	773.21	1193016.85	1.335014653
Forklifts75	Forklifts	75	0	0	0	0	7154.515821	19.73295894	9401.761375	0.760814267	0	0	0	0
Forklifts100	Forklifts	100	56020646.15	1491.81	2663700.65	2.103130995	1207621.409	1917.420587	1221664.262	0.988506491	1163844.8	2713.81	488900.1	2.380498619
Forklifts175	Forklifts	175	3925592.2	54.49	97330.9	4.031350829	356709.6555	354.7995713	224476.4844	1.589073601	873501.4	99.31	178912.05	4.882306139
Forklifts300	Forklifts	300	0	0	0	0	68758.75154	43.31906322	30408.11878	2.261139715	0	0	0	0
Forklifts600	Forklifts	600	0	0	0	0	17847.77166	6.884139954	4583.870369	3.893602981	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	292.2705781	0.106156602	22.51139431	12.98535473	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	1282.61337	0.177947269	140.260294	9.144522184	0	0	0	0
Generator Sets25	Generator Sets	25	2432221.3	30144.48	3469543.4	0.70223697	210652.45	1026.37	346672.6	0.607991656	0	0	0	0
Generator Sets50	Generator Sets	50	3986578.05	1564.81	1779735.6	2.218224805	249966.15	529.5	178733.2	1.39787698	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	1802777.07	302.21	34711.5	5.191958699	0	0	0	0	16169.3	22.47	2587.85	6.248236953
Generator Sets175	Generator Sets	175	29466.45	28.97	3274.05	9	0	0	0	0	23378.25	18.83	2146.2	10.89285719
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	24.28796136	0.180896688	41.32900401	0.587673523	0	0	0	0
Graders50	Graders	50	0	0	0	0	811.3642819	2.623001981	924.4264972	0.877934751	0	0	0	0
Graders75	Graders	75	0	0	0	0	349.9958398	0.723580753	230.3058749	1.519699966	0	0	0	0
Graders100	Graders	100	0	0	0	0	18589.10759	26.59131313	9953.479581	1.867609522	0	0	0	0
Graders175	Graders	175	0	0	0	0	211371.1849	142.1847993	67082.79915	3.150901769	0	0	0	0
Graders300	Graders	300	0	0	0	0	445778.266	128.255752	97387.56173	4.577363434	0	0	0	0
Graders600	Graders	600	0	0	0	0	19159.51274	3.945387343	2564.671346	7.470553835	0	0	0	0
Graders750	Graders	750	0	0	0	0	0	0	0	0	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	15130.0397	0.542690065	395.5185984	38.25367684	0	0	0	0
Pavers25	Pavers	25	11709.2	26.26	10398.85	1.126009138	1708.2	2.46	2031.15	0.849364791	0	0	0	0
Pavers50	Pavers	50	7351.2	8.04	3168.2	2.320276498	3481.346153	10.58036199	3740.029888	0.930554729	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	5293.464722	10.18901659	3444.929678	1.536959872	0	0	0	0
Pavers100	Pavers	100	6624.75	4.42	1752	3.78125	28138.76445	60.75606936	16202.19671	1.73672527	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	45750.45122	34.87103093	13459.83885	3.399033858	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	35727.38523	16.77674283	7547.479404	4.733763859	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	6497.624543	1.844563348	802.7098542	8.094611857	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	1340.274805	0.1756727	83.18080864	16.11278884	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment25	Paving Equipment	25	2492835.05	2873.46	543579.9	0.456757047	2031.05	4.26	3518.6	0.57730843	0	0	0	0
Paving Equipment50	Paving Equipment	50	86737.65	22.09	3869	2.227358491	4334.534682	12.97687413	6114.926931	0.709574301	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	6673.903597	1.315245945	527.2315512	1.26728472	0	0	0	0
Paving Equipment100	Paving Equipment	100	3566.05	5.7	1000.1	3.565893431	17939.87675	21.76537084	10955.80515	1.636879169	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	19447.16872	15.87281228	7305.635168	2.661948854	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	13051.84187	6.577132152	3078.049915	4.240295713	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	13978.52479	4.121669482	1917.795709	7.288844119	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	2790.148525	0.438475473	237.2200156	11.76173317	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	1266.198072	0.175390191	81.74473551	15.48965899	0	0	0	0
Rollers25	Rollers	25	57863.45	310.9	77431.1	0.747289536	37281.1	140.21	97520.7	0.382289859	0	0	0	0
Rollers50	Rollers	50	9537.45	5.49	3540.5	2.693814433	71057.52888	266.3534365	92234.33319	0.770402153	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	788.384339	2.529835544	562.1589232	1.354375722	0	0	0	0
Rollers100	Rollers	100	30057.75	10.71	6650.3	4.519758507	110403.8019	196.4221069	65178.34998	1.693872453	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	114918.1064	114.9259053	41221.15578	2.787842898	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	19032.65139	14.72714049	4534.876213	4.19699054	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	11155.26713	5.330682753	1637.129741	6.813917584	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	0	0	0	0	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	37.19256949	0.208533203	64.31814464	0.578259494	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	1551.25	1.16	470.85	3.294573643	3582.367762	11.88639257	3245.920852	1.103652232	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	98.75370078	0.312799859	71.58307945	1.379598059	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	34028.95	16.17	6675.85	5.09732094	280018.3693	500.0526208	141279.2646	2.003574763	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	1919.9	0.59	226.3	8.483870968	62268.944	87.16687886	23883.93613	2.60631008	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	4568.721047	4.756564586	1044.931148	4.372269816	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	1698.57999	0.834132812	213.4408545	7.958082786	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	292.2767881	0.104286602	22.51134013	12.98535374	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	3156.550183	3.524360672	3148.166016	0.942769907	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	9173.365989	3.008600574	2254.761076	1.407406762	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	19368.02955	6.704861276	5785.079445	1.746764216	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	14177.14488	6.18912138	4863.614505	2.914940087	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	15328.6871	4.813760918	3377.722826	4.538146697	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	159494.3314	28.88256552	20986.30511	7.599924358	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	4560.038759	0.943840884	342.8980788	13.29852472	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Scrapers25	Scrapers	25	0	0	0	0	25.26813835	0.088587831	36.43098372	0.693581041	0	0	0	0
Scrapers50	Scrapers	50	0	0	0	0	201.1158018	0.53152898	190.3518896	1.056543216	0	0	0	0
Scrapers75	Scrapers	75	0	0	0	0	1774.784555	2.391871447	1048.200359	1.693173008	0	0	0	0
Scrapers100	Scrapers	100	0	0	0	0	7998.845544	5.846796869	3536.132956	2.262031333	0	0	0	0
Scrapers175	Scrapers	175	0	0	0	0	107911.2977	57.67067821	25758.22345	4.189302095	0	0	0	0
Scrapers300	Scrapers	300	0	0	0	0	127186.3558	56.34180274	22881.69365	5.558432178	0	0	0	0
Scrapers600	Scrapers	600	0	0	0	0	1576095.151	310.9432881	149323.7209	10.55488801	0	0	0	0
Scrapers750	Scrapers	750	0	0	0	0	24216.2523	4.252215905	1552.769484	15.59552369	0	0	0	0
Scrapers9999	Scrapers	9999	0	0	0	0	36421.28466	2.301280774	914.215297	39.83893916	0	0	0	0
Skid Steer Loaders25	Skid Steer Loaders	25	1884861	542.92	173345.8	1.093110419	16416.15	313.68	26187.35	0.62770599	0	0	0	0
Skid Steer Loaders50	Skid Steer Loaders	50	45988.1	77.62	24086.35	1.90847098	53781.57882	184.4830023	58305.85222	0.922588059	0	0	0	0
Skid Steer Loaders75	Skid Steer Loaders	75	0	0	0	0	28170.2.3383	586.467538	209449.5565	1.344903074	0	0	0	0
Skid Steer Loaders100	Skid Steer Loaders	100	61495.2	46.41	14406.55	4.268583691	4104.330284	8.872011485	2874.844134	1.427656078	0	0	0	0
Skid Steer Loaders175	Skid Steer Loaders	175	0	0	0	0	1923.883059	2.469529523	666.8092047	2.894205779	0	0	0	0
Skid Steer Loaders300	Skid Steer Loaders	300	0	0	0	0	1793.450365	1.554888953	458.8884494	3.908249167	0	0	0	0
Skid Steer Loaders600	Skid Steer Loaders	600	0	0	0	0	518.4920865	0.182938115	57.46553786	9.022661336	0	0	0	0
Skid Steer Loaders750	Skid Steer Loaders	750	0	0	0	0	0	0	0	0	0	0	0	0
Skid Steer Loaders9999	Skid Steer Loaders	9999	0	0	0	0	701.8505483	0.182928113	36.88242702	19.02940227	0	0	0	0
Surfacing Equipment25	Surfacing Equipment	25	121242.05	775.51	331792.3	0.365415502	0	0	0	0	0	0	0	0
Surfacing Equipment50	Surfacing Equipment	50	0	0	0	0	498.4763107	3.236095449	783.2006771	0.631823813	0	0	0	0
Surfacing Equipment75	Surfacing Equipment	75	0	0	0	0	300.5714479	1.161675289	288.9122823	1.040353379	0	0	0	0
Surfacing Equipment100	Surfacing Equipment	100	0	0	0	0	3083.865457	7.965773412	2211.10788	1.394714154	0	0	0	0
Surfacing Equipment175	Surfacing Equipment	175	0	0	0	0	2531.466019	4.729677963	1175.276142	2.153963956	0	0	0	0
Surfacing Equipment300	Surfacing Equipment	300	0	0	0	0	5133.168998	5.891353253	1450.050088	3.539971675	0	0	0	0
Surfacing Equipment600	Surfacing Equipment	600	0	0	0	0	18000.6493	9.791283153	2801.738757	6.424834496	0	0	0	0
Surfacing Equipment750	Surfacing Equipment	750	0	0	0	0	6970.037367	2.406337385	699.8264956	9.962511753	0

Orange (SC)	2022 Agricultural - Bale Wagons (Self Propelled)	Aggregate	175 Diesel	1.70E-05	2.06E-05	2.45E-05	0.000186612	0.000161112	0.004439883	9.94E-06	9.15E-06		4.08E-08	3.65E-08	1026.671064	307.4685271	0.493974095	397235.56	
Orange (SC)	2022 Agricultural - Bale Wagons (Self Propelled)	Aggregate	300 Diesel	4.34E-06	5.25E-06	6.25E-06	1.95E-05	4.68E-05	0.001223313	1.90E-06	1.75E-06		1.22E-08	1.09E-08	306.968966	60.41059907	0.097520924	11687.13	
Orange (SC)	2022 Agricultural - Balers (Self Propelled)	Aggregate	50 Diesel	2.02E-05	2.44E-05	2.90E-05	9.45E-05	0.000104665	0.001745723	6.59E-06	6.07E-06		1.56E-08	1.43E-08	404.466513	299.9541525	0.924761357	33800.65	
Orange (SC)	2022 Agricultural - Balers (Self Propelled)	Aggregate	75 Diesel	7.81E-06	9.46E-06	1.13E-05	5.66E-05	7.69E-05	0.001314495	4.77E-06	4.39E-06		1.22E-08	1.10E-08	308.9567781	164.1968851	0.503888187	10658.55	
Orange (SC)	2022 Agricultural - Balers (Self Propelled)	Aggregate	100 Diesel	1.44E-06	1.74E-06	2.07E-06	1.06E-05	1.30E-05	0.000250496	9.67E-07	8.89E-07		2.29E-09	2.06E-09	58.03709385	25.15088458	0.077331797	1995.963	
Orange (SC)	2022 Agricultural - Balers (Self Propelled)	Aggregate	175 Diesel	1.07E-06	1.30E-06	1.54E-06	9.33E-06	1.18E-05	0.000230307	6.14E-07	5.65E-07		2.11E-09	1.89E-09	53.28997463	19.32202269	0.059482781	2048.876	
Orange (SC)	2022 Agricultural - Combine Harvesters	Aggregate	75 Diesel	1.68E-06	2.04E-06	2.43E-06	1.86E-05	1.48E-05	0.000422238	1.08E-06	9.97E-07		2.20E-09	1.99E-09	56.12378401	36.39401512	0.10057861	2170.08	
Orange (SC)	2022 Agricultural - Combine Harvesters	Aggregate	100 Diesel	1.13E-05	1.37E-05	1.63E-05	7.14E-05	9.68E-05	0.003624879	7.79E-06	7.17E-06		1.48E-08	1.34E-08	376.4661629	167.8072088	0.464629029	14287.14	
Orange (SC)	2022 Agricultural - Combine Harvesters	Aggregate	175 Diesel	1.61E-05	1.95E-05	2.32E-05	0.000120336	0.000160943	0.002916419	9.17E-06	8.44E-06		2.67E-08	2.42E-08	675.7015623	212.2975687	0.596264752	25982.96	
Orange (SC)	2022 Agricultural - Combine Harvesters	Aggregate	300 Diesel	0.000100351	0.000121425	0.000144505	0.000440086	0.001305416	0.026761796	4.83E-05	4.44E-05		2.46E-07	2.20E-07	6200.407915	1141.761521	0.030936909	264367.6	
Orange (SC)	2022 Agricultural - Combine Harvesters	Aggregate	500 Diesel	1.74E-05	2.10E-05	2.50E-05	0.000110035	0.000234812	0.003884752	8.99E-06	8.27E-06		4.26E-07	3.87E-07	10714.6558	2314.779471	0.053278481	77430.09	
Orange (SC)	2022 Agricultural - Construction Equipment	Aggregate	50 Diesel	0.000161656	0.000195604	0.000232785	0.00057834	0.000537475	0.007956623	4.54E-05	4.18E-05		6.92E-08	6.54E-08	1843.455569	1782.992172	4.596367142	79035.1	
Orange (SC)	2022 Agricultural - Construction Equipment	Aggregate	75 Diesel	0.000111351	0.000137347	0.000163495	0.00060228	0.000499279	0.012804993	6.79E-05	6.22E-05		1.17E-07	1.06E-07	2994.561957	2026.390304	5.525865136	127986.8	
Orange (SC)	2022 Agricultural - Construction Equipment	Aggregate	100 Diesel	0.000225368	0.000278077	0.000329984	0.001215747	0.001012679	0.025960313	0.000137693	0.000125988	0.000349983	2.85E-07	2.57E-07	7252.256609	3685.367834	7.623954914	310600.5	
Orange (SC)	2022 Agricultural - Construction Equipment	Aggregate	175 Diesel	0.000425401	0.000514735	0.000612577	0.003037257	0.003867008	0.06763504	0.000203194	0.000211778		6.17E-07	5.56E-07	15670.27985	6110.447118	9.907879436	748102.9	
Orange (SC)	2022 Agricultural - Construction Equipment	Aggregate	300 Diesel	0.000232527	0.000281358	0.000334839	0.001660172	0.002541565	0.040232225	0.000210771	0.00019		4.12E-07	3.70E-07	10431.37591	2519.550453	4.529387659	495486.6	
Orange (SC)	2022 Agricultural - Construction Equipment	Aggregate	600 Diesel	2.63E-05	3.19E-05	3.79E-05	0.000118802	0.000257307	0.004152844	1.11E-05	1.02E-05		3.97E-08	3.58E-08	1008.505131	137.4173688	0.155617988	48505.53	
Orange (SC)	2022 Agricultural - Cotton Pickers	Aggregate	100 Diesel	2.62E-06	3.18E-06	3.78E-06	1.39E-05	2.82E-05	0.000836935	2.11E-06	1.95E-06		7.71E-09	6.88E-09	193.9085474	83.30542255	0.184098103	7497.488	
Orange (SC)	2022 Agricultural - Cotton Pickers	Aggregate	175 Diesel	7.51E-06	9.09E-06	1.08E-05	0.000102843	8.46E-05	0.002615104	4.78E-06	4.40E-06		2.41E-08	2.15E-08	605.8901449	210.2954503	0.459714338	25744.21	
Orange (SC)	2022 Agricultural - Cotton Pickers	Aggregate	300 Diesel	8.26E-06	9.99E-06	1.19E-05	4.56E-05	0.000100266	0.001555924	4.07E-06	3.74E-06		3.10E-08	2.76E-08	777.5298403	135.3197654	0.23934685	33420	
Orange (SC)	2022 Agricultural - Hay Squeeze/Stack retriever	Aggregate	100 Diesel	1.91E-05	2.31E-05	2.75E-05	0.000120163	0.000170265	0.003731511	1.00E-05	9.24E-06		5.42E-08	4.82E-08	1359.512872	1180.096954	0.391028369	58324.96	
Orange (SC)	2022 Agricultural - Hay Squeeze/Stack retriever	Aggregate	300 Diesel	4.15E-05	5.02E-05	5.97E-05	0.000142893	0.000432858	0.005529906	1.87E-05	1.72E-05		5.02E-08	4.54E-08	1280.290341	244.7462497	0.412369539	58045.84	
Orange (SC)	2022 Agricultural - Hay Squeeze/Stack retriever	Aggregate	600 Diesel	9.76E-06	1.18E-05	1.41E-05	5.05E-05	0.000101365	0.001431188	4.42E-06	3.98E-06		1.29E-08	1.16E-08	328.4185517	46.08291321	0.078207882	14586.31	
Orange (SC)	2022 Agricultural - Nut Harvester	Aggregate	50 Diesel	3.68E-05	4.45E-05	5.29E-05	0.000166405	0.000240569	0.003922891	1.40E-05	1.28E-05		7.25E-08	6.49E-08	1828.647938	1768.760764	4.563072008	79940.9	
Orange (SC)	2022 Agricultural - Nut Harvester	Aggregate	75 Diesel	1.83E-05	2.21E-05	2.63E-05	0.000229559	0.000290522	0.007593882	1.13E-05	1.04E-05		7.01E-08	6.24E-08	1759.414185	1049.308319	2.66831425	685805	
Orange (SC)	2022 Agricultural - Nut Harvester	Aggregate	100 Diesel	3.89E-05	4.70E-05	5.60E-05	0.000350758	0.000427282	0.011168455	1.48E-05	1.37E-05		2.38E-07	2.11E-07	5947.076392	2812.482886	7.035499457	231521.1	
Orange (SC)	2022 Agricultural - Nut Harvester	Aggregate	175 Diesel	5.04E-05	6.10E-05	7.26E-05	0.000930184	0.000590019	0.02412612	3.31E-05	3.05E-05		2.23E-07	1.98E-07	5589.751184	1896.734794	3.852689542	234511.7	
Orange (SC)	2022 Agricultural - Nut Harvester	Aggregate	300 Diesel	2.55E-05	3.09E-05	3.68E-05	1.75E-05	3.13E-05	0.001300017	1.31E-06	1.20E-06		1.20E-08	1.07E-08	301.1994192	165.9353887	0.413710586	10183.83	
Orange (SC)	2022 Agricultural - Nut Harvester	Aggregate	600 Diesel	1.98E-05	2.40E-05	2.86E-05	0.000157643	0.000225102	0.012322771	1.09E-05	9.98E-06		1.14E-07	1.01E-07	2855.047802	377.6095239	0.881933646	122723.1	
Orange (SC)	2022 Agricultural - Other Harvesters	Aggregate	50 Diesel	1.40E-05	1.70E-05	2.02E-05	8.67E-05	8.09E-05	0.001344931	4.55E-06	4.19E-06		1.21E-08	1.11E-08	311.6054	313.4168719	0.749388366	12048.25	
Orange (SC)	2022 Agricultural - Other Harvesters	Aggregate	75 Diesel	2.29E-05	2.78E-05	3.30E-05	0.000141758	0.000214283	0.004713318	1.28E-05	1.18E-05		4.32E-08	3.87E-08	1091.981128	653.9314456	1.452313307	42458.68	
Orange (SC)	2022 Agricultural - Other Harvesters	Aggregate	100 Diesel	6.88E-05	8.32E-05	9.91E-05	0.00060082	0.000531355	0.01123393	4.68E-05	4.31E-05		1.21E-07	1.09E-07	3066.149458	1385.092406	1.559224459	118613.3	
Orange (SC)	2022 Agricultural - Other Harvesters	Aggregate	175 Diesel	4.27E-05	5.59E-05	7.12E-05	0.000599758	0.000342258	0.006809267	2.75E-05	2.53E-05		7.94E-08	7.14E-08	2013.995758	665.1718885	0.998951398	89224.77	
Orange (SC)	2022 Agricultural - Other Harvesters	Aggregate	300 Diesel	4.27E-05	5.17E-05	6.15E-05	0.000169737	0.000460681	0.009503565	1.91E-05	1.76E-05		8.72E-08	7.81E-08	2201.869338	439.2955976	0.645530156	91949.65	
Orange (SC)	2022 Agricultural - Other Harvesters	Aggregate	500 Diesel	1.57E-05	1.91E-05	2.26E-05	8.86E-05	0.000168331	0.004226896	7.03E-06	6.47E-06		3.14E-08	2.81E-08	793.0001734	86.94414549	0.140099214	33145.31	
Orange (SC)	2022 Agricultural - Others	Aggregate	50 Diesel	1.17E-05	1.42E-05	1.69E-05	4.93E-05	4.77E-05	0.000755929	3.47E-06	3.19E-06		6.68E-09	6.21E-09	175.1401565	166.9366178	0.318053469	7512.148	
Orange (SC)	2022 Agricultural - Others	Aggregate	75 Diesel	2.19E-05	2.65E-05	3.15E-05	1.40E-05	1.94E-05	0.000311686	1.33E-06	1.22E-06		2.84E-09	2.56E-09	72.21421328	47.6528811	0.095157702	3027.404	
Orange (SC)	2022 Agricultural - Others	Aggregate	100 Diesel	8.89E-05	1.08E-05	1.28E-05	5.67E-05	7.38E-05	0.001281901	5.88E-06	5.41E-06		1.17E-08	1.05E-08	297.0020286	146.3105943	0.291577566	12778.06	
Orange (SC)	2022 Agricultural - Others	Aggregate	175 Diesel	2.50E-05	3.03E-05	3.60E-05	0.000189406	0.000247801	0.004024271	1.40E-05	1.29E-05		4.02E-08	3.62E-08	1020.003451	381.4776917	0.772446141	48637.77	
Orange (SC)	2022 Agricultural - Others	Aggregate	300 Diesel	2.81E-05	3.39E-05	4.04E-05	0.000917362	0.000317192	0.005600768	2.16E-05	1.99E-05		5.28E-08	4.74E-08	1335.926391	292.6268849	0.587075126	63702.21	
Orange (SC)	2022 Agricultural - Others	Aggregate	600 Diesel	0.000013005	0.000015736	0.000018721	0.000378357	0.001486773	0.029373395	6.22E-05	5.72E-05		2.68E-07	2.40E-07	6795.148499	862.6507993	1.747248232	323302.7	
Orange (SC)	2022 Agricultural - Sprayers/Spray rigs	Aggregate	50 Diesel	2.82E-05	3.41E-05	4.05E-05	0.000178777	0.000309912	0.007237283	4.19E-06	3.53E-06		1.53E-08	1.40E-08	402.5142481	436.2196737	0.980728624	15184.37	
Orange (SC)	2022 Agricultural - Sprayers/Spray rigs	Aggregate	75 Diesel	7.95E-06	9.62E-06	1.14E-05	4.85E-05	6.94E-05	0.001065767	4.78E-06	4.40E-06		9.68E-09	8.76E-09	246.9262369	167.0823824	0.302979906	10083.83	
Orange (SC)	2022 Agricultural - Sprayers/Spray rigs	Aggregate	100 Diesel	1.80E-05	2.17E-05	2.59E-05	0.000111329	0.000145258	0.003442801	1.17E-05	1.08E-05		2.22E-08	2.01E-08	565.7842368	263.7631261	0.469162348	19276.11	
Orange (SC)	2022 Agricultural - Sprayers/Spray rigs	Aggregate	175 Diesel	2.97E-05	3.59E-05	4.28E-05	0.000183615	0.000239778	0.005522985	1.65E-05	1.52E-05		4.59E-08	4.13E-08	1161.699737	432.3116241	0.773221398	51863.87	
Orange (SC)	2022 Agricultural - Sprayers/Spray rigs	Aggregate	300 Diesel	1.30E-05	1.57E-05	1.87E-05	5.42E-05	0.000146629	0.002562	6.30E-06	5.80E-06		2.35E-08	2.11E-08	593.5865716	122.9508791	0.221423392	26815.09	
Orange (SC)	2022 Agricultural - Sprayers/Spray rigs	Aggregate	600 Diesel	3.95E-07	4.78E-07	5.68E-07	1.98E-06	4.51E-06	8.47E-05	2.47E-07	2.27E-07		7.77E-10	6.96E-10	19.27231715	2.702989542	0.004942619	891.1065	
Orange (SC)	2022 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	50 Diesel	4.39E-06	5.32E-06	6.33E-06	2.24E-05	1.64E-05	0.000661246	1.69E-06	1.55E-06		6.02E-09	5.43E-09	153.2031634	125.7205363	0.287952503	5579.103	
Orange (SC)	2022 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	75 Diesel	1.31E-05	1.58E-05	1.89E-05	0.000134644	0.000107764	0.002408866	8.07E-06	7.42E-06		3.71E-08	3.34E-08	932.9797333	517.8795444	1.183907651	31387.43	
Orange (SC)	2022 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	100 Diesel	2.80E-05	3.39E-05	4.03E-05	0.000364689	0.000290145	0.0089794	2.17E-05	2.00E-05		8.27E-08	7.38E-08	2080.426284	882.7237833	1.908762628	75691.31	
Orange (SC)	2022 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	175 Diesel	1.35E-05	1.64E-05	1.95E-05	0.000198018	0.000214937	0.005037543	8.47E-06	7.79E-06		4.65E-08	4.14E-08	1167.141646	380.6403859	0.802525159	45009.5	
Orange (SC)	2022 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	300 Diesel	5.15E-06	6.24E-06	7.42E-06	1.96E-05	6.25E-05	0.001507142	2.52E-06	2.31E-06		2.00E-08	1.78E-08	502.1024286	96.64603817	0.201389176	16883.14	
Orange (SC)	2022 AirGroSpp - A/C Tug Narrow Body	Aggregate	25 Diesel	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Orange (SC)	2022 AirGroSpp - A/C Tug Narrow Body	Aggregate	50 Diesel	2.68E-05	3.25E-05	3.86E-05	0.000113063	9.61E-05	0.002957398	1.03E-05	9.44E-06		8.73E-08	7.78E-08	309.1050199	232.700457	0.735055103	10038.91	
Orange (SC)	2022 AirGroSpp - A/C Tug Narrow Body	Aggregate	100 Diesel	0.000013005	0.000015736	0.000018721	0.000378357	0.001486773	0.029373395	6.22E-05	5.72E-05		1.47E-08	1.30E-08	51.72139258	32.48120739	0.08800848	1867.669	
Orange (SC)	2022 AirGroSpp - A/C Tug Narrow Body	Aggregate	175 Diesel	6.55E-05	7.92E-05	9.44E-05	0.000918473	0.000237441	0.009210853	4.84E-05	4.46E-05		8.32E-07	7.36E-07	2926.791721	1196.355169	3.652947588	105628.8	
Orange (SC)	2022 AirGroSpp - A/C Tug Narrow Body	Aggregate	300 Diesel	0.000109623	0.000132644	0.000157857	0.001657595	0.001548026	0.027958764	8.52E-05	7.84E-05		2.58E-06	2.28E-06	9070.917098	2490.046049	7.595533234	327542.2	
Orange (SC)	2022 AirGroSpp - A/C Tug Narrow Body	Aggregate	500 Diesel	3.96E-05	4.79E-05	5.70E-05	0.000278968	0.000717831	0.014588202	2.02E-05	1.86E-05		1.35E-06	1.19E-06	4713.182048	763.3083707	2.303016169	170916.1	
Orange (SC)	2022 AirGroSpp - A/C Tug Wide Body	Aggregate	750 Diesel	1.17E-05	1.41E-05	1.68E-05	1.82E-05	0.000158985	0.0097037	7.36E-06	6.77E-06		8.94E-08	7.92E-08	314.8258679	19.24060137	0.046003944	11168.42	
Orange (SC)	2022 AirGroSpp - A/C Tug Wide Body	Aggregate	25 Diesel	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Orange (SC)	2022 AirGroSpp - A/C Tug Wide Body	Aggregate	50 Diesel	3.03E-07	3.66E-07	4.36E-07	6.37E-06	5.05E-06	0.000102736	2.09E-08	1.91E-08		9.26E-09	8.18E-09	32.53357	22.44437767	0.055847719	1059.186	
Orange (SC)	2022 AirGroSpp - A/C Tug Wide Body	Aggregate	75 Diesel	1.65E-06	2.00E-06	2.37E-06	2.29E-05	2.25E-05	0.00050398	1.14E-06	1.05E-06		3.23E-08	2.80E-08	113.6827708	67.3311324	0.167543217	3972.655	
Orange (SC)	2022 AirGroSpp - A/C Tug Wide Body	Aggregate	100 Diesel	8.29E-06	1.00E-05	1.19E-05	9.02E-05	0.000135788	0.001222508	7.02E-06	6.46E-06		1.22E-07	1.08E-07	428.9898554	179.5550197	0.446781519	15666.18	
Orange (SC)	2022 AirGroSpp - A/C Tug Wide Body	Aggregate	175 Diesel	9.49E-06	1.15E-05	1.37E-05	0.000193831	0.000125246	0.035215237	5.76E-06	5.30E-06		3.25E-07	2.87E-07	1142.515966	269.3125296	0.67017287	41185.43	
Orange (SC)	2022 AirGroSpp - A/C Tug Wide Body	Aggregate	300 Diesel	6.27E-05	7.59E-05	9.03E-05	0.000619309	0.000843296	0.013175255	2.57E-05	2.36E-05		3.07E-06	2.71E-06	10762.69727	1605.849089	4.021037218	387973.8	
Orange (SC)	2022 AirGroSpp - A/C Tug Wide Body	Aggregate	500 Diesel	6.07E-05	7.34E-05	8.74E-05	0.000440788	0.001052692	0.016364229	3.48E-05	3.20E-05		1.51E-06	1.33E-06	5290.459329	518.2738223	1.983457739	190713.3	
Orange (SC)	2022 AirGroSpp - A/C Tug Wide Body	Aggregate	750 Diesel	7.51E-06	9.09E-06	1.08E-05	2.70E-05	0.000169841	0.013244769	4.38E-06	4.03E-06		1.22E-07	1.08E-07	429.711928	84.59657805	0.111695478	15495.84	
Orange (SC)	2022 AirGroSpp - Baggage Tug	Aggregate	25 Diesel	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Orange (SC)	2022 AirGroSpp - Baggage Tug	Aggregate	50 Diesel	4.19E-05	5.07E-05	6.03E-05	0.000224392	0.000176942	0.020908046	1.69E-05	1.55E-05		1.92E-07	1.71E-07	678.3385976	711.9614092	1.984232686	31982.49	
Orange (SC)	2022 AirGroSpp - Baggage Tug	Aggregate	75 Diesel	5.74E-05	6.95E-05	8.27E-05	0.001019195	0.000778939	0.14968477	3.76E-05	3.45E-05		1.38E-06	1.22E-06	4856.357522	3629.453189	10.48781282	254547.1	
Orange (SC)	2022 AirGroSpp - Baggage Tug	Aggregate	100 Diesel	5.33E-05	6.45E-05	7.68E-05	0.001027041	0.000776212	0.150433198	2.42E-05	2.23E-05		1.39E-06	1.23E-06	4880.619439	3860.877701	3.936941145	256114.1	
Orange (SC)	2022 AirGroSpp - Baggage Tug	Aggregate	175 Diesel	1.21E-05	1.48E-05	1.76E-05	7.23E-05	6.75E-05	0.001366435	2.35E-06	2.16E-06		1.26E-08	1.12E-08	44.33240304	18.5895786	0.052938002	2123.697	
Orange (SC)	2022 AirGroSpp - Baggage Tug	Aggregate	300 Diesel	5.14E-06	6.24E-06	7.40E-06	2.04E-05	6.00E-05	0.000112905	2.07E-06	1.91E-06		7.26E-08	6.42E-08	255.3551023	74.39314438	0.180947209	13384.5	
Orange (SC)	2022 AirGroSpp - Belt Loader	Aggregate	25 Diesel	7.09E-08	8.58E-08	1.02E-07	2.24E-06	2.14E-06	0.000451396	7.10E-09	6.54E-09		4.17E-09	3.68E-09	14.64504321	30.17433301	0.058945654	759.3583	
Orange (SC)	2022 AirGroSpp - Belt Loader	Aggregate	50 Diesel	2.68E-05	3.25E-05	3.86E-05	0.000113063	9.80E-05	0.012973118	7.62E-06	7.01E-06		1.16E-07	1.06E-07	420.8985417	670.8021616	0.913657644	21823.96	
Orange (SC)	2022 AirGroSpp - Belt Loader	Aggregate	75 Diesel	6.16E-05	7.46E-05	8.88E-05	0.000553697	0.000703315	0.078169869	5.03E-05	4.61E-05		7.21E-07	6.38E-07	2536.113256	2323.636475	4.920342565	146191.7	
Orange (SC)	2022 AirGroSpp - Belt Loader	Aggregate	100 Diesel	5.10E-05	6.18E-05	7.35E-05	0.000517244	0.000575261	0.072374035	4.84E-05	4.45E-05		6.68E-07	5.91E-07	2348.058875	1577.228649	3.977124777	135403.6	
Orange (SC)	2022 AirGroSpp - Belt Loader	Aggregate	175 Diesel	2.06E-06	2.49E-06	2.97E-06	2.97E-05	2.14E-05	0.004860636	1.45E-06	1.33E-06		4.49E-08	3.97E-08	157.6979891	67.23898811	0.147364136	9090.882	
Orange (SC)	2022 AirGroSpp - Belt Loader	Aggregate	300 Diesel	1.02E-06	1.23E-06	1.46E-06	8.14E-06	1.19E-05	0.002479689	5.39E-07	4.96E-07		3.95E-08	3.48E-08	138.9672138	30.37431301	0.058495654	8014.037	
Orange (SC)	2022 AirGroSpp - Belt Loader	Aggregate	500 Diesel	2.80E-07	3.38E-07	4.03E-07	6.50E-06	1.80E-06	0.000849323	6.07E-08	5.58E-08		3.42E-08	3.02E-08	119.8775755	15.3871605	0.029472827	6003.161	
Orange (SC)	2022 AirGroSpp - Belt Loader	Aggregate	750 Diesel	3.77E-06	4.56E-06	5.43E-06	5.82E-05	5.04E-05	0.002166956	2.56E-06	2.36E-06		1.99E-08	1.77E-08	70.30449618	6.490242095	0.029472827	4056.401	
Orange (SC)	2022 AirGroSpp - Bobtail	Aggregate	25 Diesel	1.61E-07	1.95E-07	2.32E-07	1.35E-05	4.86E-06	0.000395522	1.44E-07	1.32E-07		4.25E-09	3.75E-09	14.91488635	28.12756339	0.060607955	763.1891	
Orange (SC)	2022 AirGroSpp - Bobtail	Aggregate	50 Diesel	2.21E-06	2.67E-06	3.18E-06	1.99E-05	1.66E-05	0.002900511	6.36E-07	5.85E-07		2.68E-08	2.37E-08	94.10387528	97.74495485	0.242717401	4437.207	
Orange (SC)	2022 AirGroSpp - Bobtail	Aggregate	75 Diesel	6.41E-07	7.76E-07	9.23E-07	8.53E-06	6.59E-06	0.001224008	4.79E-07	4.42E-07		1.13E-08	9.98E-09	39.71143083	28.1276439	0.060607955	2788.44	
Orange (SC)	2022 AirGroSpp - Bobtail	Aggregate	100 Diesel	1.61E-06	1.95E-06	2.32E-06	3.66E-05	2.84E-05	0.005660334	1.32E-06	1.21E-06		5.21E-08	4.60E-08	182.9944383	112.5102956	0.242717401	9591.499	
Orange (SC)	2022 AirGroSpp - Bobtail	Aggregate	175 Diesel	5.11E-06	6.18E-06	7.35E-06	5.83E-05	5.58E-05	0.009805153	3.63E-06	3.34E-06		8.31E-08	7.35E-08	292.2063951	125.8725188	0.303199751	15317.1	
Orange (SC)	2022 AirGroSpp - Bobtail	Aggregate	300 Diesel	1.35E-05	1.64E-05	1.95E-05	0.000131137	0.000160056	0.024250177	8.76E-06	8.22E-06		4.55E-07	4.02E-07	1597.867705	1907.348159	4.802522852	83759	
Orange (SC)	2022 AirGroSpp - Cargo Loader	Aggregate	25 Diesel	1.10E-06	1.33E-06	1.58E-06	1.34E-05	1.27E-05	0.001924457	6.60E-07	6.07E-07		1.78E-08	1.57E-08	62.43690135	129.6966712	0.270167583	3242.417	
Orange (SC)	2022 AirGroSpp - Cargo Loader	Aggregate	50 Diesel	1.17E-06	1.41E-06	1.68E-06	2.98E-05	2.08E-05	0.004294615	1.18E-06	1.09E-06		3.96E-08	3.51E-08	139.3340466	193.4741369	0.432268133	7235.408	
Orange (SC)	2022 AirGroSpp - Cargo Loader	Aggregate	100 Diesel	5.97E-07	7.22E-07	8.60E-07	0.00126711	0.000965057	0.195516705	3.75E-05	3.45E-05		1.81E-06	1.60E-06	6343.324184	4243.341916	9.131664301	366051	
Orange (SC)	2022 AirGroSpp - Cargo Loader	Aggregate	175 Diesel	4.87E-05	5.90E-05	7.02E-05	0.001041854	0.000822674	0.238414564	1.95E-05	1.79E-05		2.67E-06	2.36E-06	9357.940883	4110.318587	9.180255258	536258	
Orange (SC)	2022 AirGroSpp - Cargo Loader	Aggregate	300 Diesel	5.05E-06	6.11E-06	7.27E-06	5.35E-05	5.36E-05	0.027948124	1.99E-06	1.83E-06		2.58E-07	2.28E-07	906.7461117	245.3527853	0.540335166	52347.48	
Orange (SC)	2022 AirGroSpp - Cargo Loader	Aggregate	600 Diesel	2.53E-06	3.06E-06	3.64E-06	4.79E-05	1.30E-05	0.025265844	4.52E-07	4.16E-07		2.63E-07	2.14E-07	851.874091	155.6360954	0.324201099	49180.87	
Orange (SC)	2022 AirGroSpp - Cargo Loader	Aggregate	750 Diesel	3.03E-06	3.67E-06	4.37E-06	5.26E-05	1.44E-05	0.028860371	5.06E-07	4.65E-07		2.67E-07	2.36E-07	936.3429487	77.81800272	0.162105555	54057.57	
Orange (SC)	2022 AirGroSpp - Cargo Tractor	Aggregate	25 Diesel	6.75E-07	8.17E-07	9.72E-07	1.31E-05	9.79E-06	0.00190524	4.33E-08	3.99E-08		1.76E-08	1.56E-08	61.81339778	138.9194955	0.137411244	2972.549	
Orange (SC)	2022 AirGroSpp - Cargo Tractor	Aggregate	50 Diesel	1.32E-06	1.60E-06	1.90E-06	2.86E-05	7.16E-06	0.009850208	4.95E-06	4.55E-06		9.07E-08	8.04E-08	319.5793866	453.6014585	0.771356	15367.13	
Orange (SC)	2022 AirGroSpp - Cargo Tractor	Aggregate	75 Diesel	0.000158877	0.000192241	0.000228783	0.001318431	0.001535104	0.181232545	0.000124711	0.000114734		1.67E-06	1.48E-06	587.8590329	515851.668	1.670651191	31486	
Orange (SC)	2022 AirGroSpp - Cargo Tractor	Aggregate	100 Diesel	3.77E-05	4.57E-05	5.43E-05	0.000343751	0.000428999	0.065818876	2.86E-

Orange (SC)	2022 ConstMin - Paving Equipment	Aggregate	100 Diesel	0.000224898	0.000272127	0.000323853	0.003601103	0.002844358	0.552950708	0.000150838	0.000138771		5.11E-06	4.51E-06	17939.87675	10959.80515	23.76537084	975538.1			
Orange (SC)	2022 ConstMin - Paving Equipment	Aggregate	175 Diesel	0.000226822	0.000274455	0.000326624	0.003523304	0.002802993	0.599409119	0.000137779	0.000126757		5.54E-06	4.89E-06	19447.16872	7305.635168	15.87281226	1080799			
Orange (SC)	2022 ConstMin - Paving Equipment	Aggregate	300 Diesel	0.000124266	0.000150362	0.000178943	0.000882771	0.001711117	0.402289564	6.54E-05	6.02E-05		3.72E-06	3.28E-06	13051.84187	3078.049915	6.577132152	710433.1			
Orange (SC)	2022 ConstMin - Paving Equipment	Aggregate	500 Diesel	0.000119512	0.000137449	0.000163457	0.000859892	0.001523663	0.430851832	4.90E-05	4.51E-05		3.98E-06	3.52E-06	13978.5132	1917.795599	4.121669482	762249.2			
Orange (SC)	2022 ConstMin - Paving Equipment	Aggregate	750 Diesel	1.66E-05	2.00E-05	2.39E-05	0.000159208	0.000189769	0.08595825	4.78E-06	4.39E-06		7.95E-07	7.02E-07	2790.118525	237.2200156	0.438475477	151758.7			
Orange (SC)	2022 ConstMin - Paving Equipment	Aggregate	9999 Diesel	6.16E-06	7.46E-06	8.87E-06	7.29E-05	0.000173021	0.039027283	2.85E-06	2.62E-06		3.61E-07	3.19E-07	1266.198071	81.7447351	0.175390191	68912.01			
Orange (SC)	2022 ConstMin - Rollers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Rollers	Aggregate	50 Diesel	0.002266054	0.002741925	0.003263118	0.016381632	0.015566024	2.190166156	0.000929631	0.000855261		2.02E-05	1.79E-05	71057.52888	92234.33119	266.3534365	3293567			
Orange (SC)	2022 ConstMin - Rollers	Aggregate	75 Diesel	7.41E-05	8.97E-05	0.000106757	0.000292678	0.000666986	0.02430023	4.82E-05	4.44E-05		2.22E-07	1.98E-07	788.394193	582.1089232	2.529815544	40402.9			
Orange (SC)	2022 ConstMin - Rollers	Aggregate	100 Diesel	0.001590116	0.00192404	0.002289767	0.022158063	0.020153156	3.462914128	0.001153984	0.001060837		3.14E-05	2.78E-05	110403.8013	65178.34993	196.4221069	5689682			
Orange (SC)	2022 ConstMin - Rollers	Aggregate	175 Diesel	0.000911149	0.001102491	0.001312055	0.012704778	0.011559888	1.984856012	0.000661178	0.000607755		2.00E-05	1.77E-05	63268.41914	41221.15578	114.9259061	5928001			
Orange (SC)	2022 ConstMin - Rollers	Aggregate	300 Diesel	0.000202858	0.000245458	0.000292116	0.003716781	0.002862153	0.586632678	0.000107608	9.90E-05		5.42E-06	4.79E-06	19032.65119	4534.878217	14.72714049	980709.1			
Orange (SC)	2022 ConstMin - Rollers	Aggregate	600 Diesel	8.13E-06	9.84E-06	0.000117057	0.000503127	0.000112365	0.34383251	3.80E-05	3.50E-05		3.18E-06	2.81E-06	11155.26713	1637.120741	5.330682753	571787.6			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	25 Diesel	6.28E-07	7.60E-07	9.04E-07	7.61E-06	9.79E-06	0.001146365	5.45E-07	5.01E-07		1.06E-08	9.36E-09	37.19256045	64.31811464	0.238533203	1607.953			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	50 Diesel	0.000123221	0.000149097	0.000177418	0.000809798	0.000758003	0.110417302	4.46E-05	4.10E-05		1.02E-06	9.01E-07	3582.367752	1245.920852	11.88639257	155048.9			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	75 Diesel	8.42E-06	1.02E-05	1.21E-05	8.39E-05	0.000163922	0.013637259	5.73E-06	5.27E-06		2.79E-08	2.48E-08	98.75357	21.58397654	0.131799805	4748.88			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	100 Diesel	0.000177125	0.000214212	0.00025508	0.053080656	0.031843557	9.723135375	0.008553345	0.007869318		8.06E-05	7.12E-05	283018.3603	141279.2649	500.0626208	13603564			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	175 Diesel	0.000756817	0.000915772	0.001089845	0.010388164	0.006812948	1.858464209	0.000544383	0.000499268		1.67E-05	1.57E-05	62248.944	21883.93633	74.16687806	2994176			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	300 Diesel	2.57E-05	3.11E-05	3.70E-05	0.000263304	0.000417711	0.140819113	9.62E-06	8.85E-06		1.30E-06	1.15E-06	4568.721042	1044.931148	4.17066406	219707.4			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	600 Diesel	5.67E-06	6.86E-06	8.17E-06	9.39E-05	5.89E-05	0.052154373	8.91E-07	8.20E-07		4.84E-07	4.27E-07	1698.57999	211.4408545	0.834132812	82218.2			
Orange (SC)	2022 ConstMin - Rough Terrain Forklifts	Aggregate	750 Diesel	1.54E-06	1.86E-06	2.22E-06	1.68E-05	2.29E-05	0.002600868	1.62E-07	1.49E-07		8.32E-08	7.35E-08	292.2767891	22.51134013	0.102466602	14069.99			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	50 Diesel	0.000173031	0.00020927	0.000249168	0.001038647	0.000756241	0.097292567	6.16E-06	5.66E-06		8.94E-07	7.94E-07	3156.550183	1348.166036	3.524360617	138877.7			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	75 Diesel	0.000315764	0.000164274	0.00019	0.000830449	0.001325981	0.097810871	9.97E-05	9.17E-05		9.00E-07	7.98E-07	3177.365989	2254.761079	3.008600574	154001.8			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	100 Diesel	0.000333772	0.000403864	0.000481613	0.002458541	0.003388305	0.510321199	0.000253859	0.000233718		2.86E-06	2.53E-06	10068.02955	5785.079445	11.68897471	489774.1			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	175 Diesel	0.000440202	0.000532645	0.000633892	0.003149069	0.004860571	0.436974145	0.000309442	0.000284686		4.03E-06	3.57E-06	14177.14489	4863.614505	6.189121183	693176.8			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	300 Diesel	0.000393786	0.000476481	0.000567052	0.002659794	0.005202989	0.471464849	0.000240859	0.000221639		4.36E-06	3.86E-06	15328.6017	3377.722829	4.831780918	747252.7			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	500 Diesel	0.000359677	0.000435092	0.000517849	0.002435655	0.004975433	0.434910387	0.000219222	0.000201733		4.53E-05	4.01E-05	159494.3314	20986.30513	28.48255551	7742866			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	750 Diesel	5.51E-05	6.67E-05	7.93E-05	0.000289	0.000696276	0.140551498	2.70E-05	2.48E-05		1.30E-06	1.15E-06	4560.038576	342.8580789	0.341840066	223038.9			
Orange (SC)	2022 ConstMin - Rubber Tired Dozers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Rubber Tired Loaders	Aggregate	50 Diesel	0.000056494	0.000611889	0.000728199	0.003221112	0.002465069	0.30475452	0.000183953	0.000169237		2.80E-06	2.49E-06	9887.424786	13395.36437	13.26026456	473678			
Orange (SC)	2022 ConstMin - Rubber Tired Loaders	Aggregate	75 Diesel	0.005102138	0.006252158	0.007440823	0.054557939	0.035247497	7.417070163	0.001769744	0.001628157		6.84E-05	6.05E-05	240636.7256	151012.1694	164.7677468	12080424			
Orange (SC)	2022 ConstMin - Rubber Tired Loaders	Aggregate	175 Diesel	0.008141016	0.00985063	0.011723063	0.110257858	0.084105286	17.58769001	0.00453658	0.004173653		0.000162363	0.000143548	570613.233	203729.7259	216.1064737	30567701			
Orange (SC)	2022 ConstMin - Rubber Tired Loaders	Aggregate	300 Diesel	0.009006938	0.010901755	0.012973955	0.059798119	0.112267128	25.49595289	0.009785683	0.008482828		0.000235452	0.000208095	827188.116	212433.0995	199.2623539	44319548			
Orange (SC)	2022 ConstMin - Rubber Tired Loaders	Aggregate	500 Diesel	0.012636928	0.015293554	0.018200577	0.087745474	0.157680975	35.85494873	0.013734009	0.011907459		0.000330381	0.000292158	1160943.798	178.2968505	172.5761022	62156927			
Orange (SC)	2022 ConstMin - Rubber Tired Loaders	Aggregate	750 Diesel	0.000888176	0.001074693	0.001279773	0.008925799	0.007856839	1.819523613	0.000277488	0.000255289		2.95E-05	2.61E-05	103678.4888	8043.703922	8.601252686	5585294			
Orange (SC)	2022 ConstMin - Rubber Tired Loaders	Aggregate	9999 Diesel	0.000272624	0.000329998	0.000392959	0.001927826	0.002409762	0.558279206	0.000139479	0.000128335		1.81E-05	1.60E-05	63268.41914	4120.27505	3.494258004	1947342			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	25 Diesel	1.45E-07	1.75E-07	2.09E-07	4.08E-06	3.75E-06	0.000778282	1.31E-08	1.20E-08		7.20E-09	6.36E-09	25.26813835	36.43098172	0.085878731	910.7746			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	50 Diesel	2.98E-05	3.61E-05	4.29E-05	0.000101619	0.000154899	7.21E-05	0.000158854	1.00E-05		5.64E-08	5.00E-08	201.1150818	195.3518899	0.681152688	1278.316			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	75 Diesel	8.68E-05	0.000105002	0.000124961	0.000454092	0.000806331	0.054703184	6.97E-05	6.41E-05		5.03E-07	4.46E-07	1774.784555	1048.200359	2.391871447	71070.32			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	100 Diesel	0.000211282	0.000255652	0.000304246	0.001854515	0.002657874	0.244563845	0.000199804	0.000183439		2.27E-06	2.01E-06	7998.845544	3536.132956	5.846798689	318896.4			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	175 Diesel	0.000505679	0.000611321	0.000725979	0.021340883	0.024555388	1.326080906	0.001299778	0.001195796		2.71E-05	2.41E-05	10791.2977	25758.22445	57.67067021	4298559			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	300 Diesel	0.000208265	0.000252751	0.000299902	0.011113343	0.027061375	3.920193147	0.001179845	0.001085457		1.62E-05	1.20E-05	12786.3558	22881.69369	56.34180074	5110606			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	600 Diesel	0.000857269	0.001037189	0.001227745	0.045693853	0.124536218	16.24345818	0.005378575	0.004825453		0.000448581	0.000396496	1576095.151	149123.7209	310.9432881	63072920			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	750 Diesel	0.000801204	0.000969457	0.001153734	0.008996853	0.01131081	0.746040893	0.000518896	0.000458345		6.88E-06	6.09E-06	24216.2523	1552.769484	4.252215905	966285.8			
Orange (SC)	2022 ConstMin - Scrapers	Aggregate	9999 Diesel	0.000879447	0.001064111	0.001266404	0.010886267	0.014590698	1.512293034	0.000543113	0.000481102		1.04E-05	8.96E-06	36421.29668	914.215297	3.812838614	1348154			
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	50 Diesel	0.000847716	0.001025736	0.00122071	0.010275588	0.009647866	1.657079317	0.000828946	0.000726303		1.53E-05	1.35E-05	53781.57862	58085.85231	184.4830021	2510360			
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	75 Diesel	0.002218381	0.002684241	0.003194668	0.053692058	0.035735945	8.682752369	0.001806573	0.001602947		8.02E-05	7.09E-05	281702.3383	209449.5565	586.4675306	14779100			
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	100 Diesel	4.26E-05	5.16E-05	6.14E-05	0.000825551	0.00079952	0.126504584	4.97E-05	4.57E-05		1.17E-06	1.03E-06	4104.30192	2874.844134	8.872013485	217146.7			
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	175 Diesel	1.46E-05	1.76E-05	2.10E-05	0.000277227	0.000277	0.059483697	4.71E-06	4.32E-06		5.50E-07	4.85E-07	1929.883054	666.8092047	2.469525277	101511.1			
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	300 Diesel	8.98E-06	1.09E-05	1.29E-05	0.000102781	0.00013002	0.05527851	3.73E-06	3.43E-06		5.11E-07	4.51E-07	1793.450565	458.8884404	1.554888901	94115.7			
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	500 Diesel	3.99E-06	4.84E-06	5.75E-06	5.00E-05	6.28E-05	0.019881188	6.28E-06	5.76E-06		1.48E-07	1.30E-07	518.4928865	57.46553786	0.201228211	27184.71			
Orange (SC)	2022 ConstMin - Skid Steer Loaders	Aggregate	9999 Diesel	1.07E-05	1.30E-05	1.55E-05	7.17E-05	0.000191302	0.021632744	6.37E-06	5.86E-06		2.00E-07	1.77E-07	701.8505403	16.88242702	0.182928113	36882.43			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	50 Diesel	9.06E-06	1.10E-05	1.31E-05	9.67E-05	0.000102085	0.015364256	3.96E-06	3.64E-06		1.42E-07	1.25E-07	498.4763786	789.2006777	2.336095449	28913.97			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	75 Diesel	8.19E-06	9.91E-06	1.18E-05	6.65E-05	0.000114828	0.009264344	7.05E-06	6.48E-06		8.54E-08	7.56E-08	300.5714473	288.9128227	1.161675289	19188.19			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	100 Diesel	3.06E-05	3.70E-05	4.40E-05	0.000251411	0.000429567	0.059052185	2.10E-05	1.94E-05		3.78E-07	3.33E-07	1331.863457	2211.10788	7.965779412	197064.5			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	175 Diesel	3.96E-05	4.79E-05	5.70E-05	0.000460396	0.000469698	0.07802595	2.73E-05	2.48E-05		7.20E-07	6.37E-07	2531.466019	1175.270142	4.729677963	162238.9			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	300 Diesel	5.15E-05	6.24E-05	7.42E-05	0.000602719	0.000787284	0.151821674	2.88E-05	2.65E-05		1.46E-06	1.29E-06	5113.168098	1450.059268	5.981353128	328860.6			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	600 Diesel	9.80E-05	0.000011859	0.000141132	0.001116397	0.001315891	0.554823862	4.95E-05	4.55E-05		5.13E-06	4.53E-06	18000.64917	2801.728757	9.791263152	1154541			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	750 Diesel	4.32E-05	5.23E-05	6.22E-05	0.000415507	0.000613485	0.214833526	2.47E-05	2.27E-05		1.98E-06	1.75E-06	6970.037167	699.6264956	2.404327385	448072.8			
Orange (SC)	2022 ConstMin - Surfacing Equipment	Aggregate	9999 Diesel	2.68E-05	3.25E-05	3.86E-05	0.000193948	0.000570716	0.061479037	1.11E-05	1.02E-05		8.47E-07	7.48E-07	2974.423574	220.5749962	0.829798266	170702.2			
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	50 Diesel	0.001433327	0.001736342	0.002063923	0.009372504	0.007726411	1.010821217	0.000575503	0.000529405		9.30E-06	8.25E-06	32794.98117	35132.08329	49.69436011	1252028			
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	75 Diesel	0.000218776	0.000288919	0.000343837	0.002169053	0.002464247	0.299674468	0.000180931	0.000166457		2.76E-06	2.45E-06	9722.680103	5652.256102	9.499089324	413360.3			
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	100 Diesel	0.000667918	0.000882181	0.001049183	0.006621403	0.007547144	1.252832464	0.000562087	0.000517245		1.17E-05	1.03E-05	40963.12287	21963.58949	38.60002602	1737725			
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	175 Diesel	0.000195565	0.000236634	0.000281614	0.002372347	0.002210838	0.389689478	0.000160486	9.80E-05		1.60E-06	3.18E-06	12643.04594	3355.826113	4.661594842	536369.5			
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	300 Diesel	6.44E-05	7.80E-05	9.28E-05	0.000491133	0.000878537	0.234026264	2.80E-05	2.57E-05		2.16E-06	1.91E-06	7591.724615	1536.094	2.110910872	323114.3			
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	600 Diesel	4.58E-05	5.54E-05	3.71E-05	0.000419567	0.000353368	0.031404975	1.78E-05	1.64E-05		2.01E-07	2.58E-07	1025.388616	131.8216725	0.375609239	39101.15			
Orange (SC)	2022 ConstMin - Sweepers/Scrubbers	Aggregate	9999 Diesel	3.19E-06	3.86E-06	4.60E-06	7.17E-05	0.000173493	0.040607605	1.35E-06	1.25E-06		3.75E-07	3.31E-07	1317.46901	65.91083623	0.08795462	55892.39			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	50 Diesel	0.003234355	0.003911569	0.004657671	0.027077388	0.022928191	3.27380121	0.001238676	0.001139582		3.02E-05	2.67E-05	106214.8748	133481.2554	258.1896461	5053439			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	75 Diesel	0.001201168	0.001453413	0.001729682	0.004847961	0.010145516	0.482121354	0.000923604	0.000849202		4.42E-06	3.91E-06	15641.60437	11445.50794	33.49855993	821141.2			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	100 Diesel	0.020116514	0.024340882	0.02896778	0.345626355	0.251012743	52.28689247	0.011190095	0.012134888		0.000482815	0.000426759	1696390.643	1066412.649	1703.152049	86689047			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	175 Diesel	0.002881084	0.003488117	0.004148768	0.053652605	0.030560488	9.123566377	0.001554794	0.001403355		8.43E-05	7.45E-05	296004.0633	108870.4494	196.1167172	15613394			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	300 Diesel	0.001725239	0.002087601	0.002484418	0.016655614	0.021858523	5.751649349	0.000768891	0.000709738		5.31E-05	4.69E-05	186605.5288	83049.59452	98.79954562	9807641			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	600 Diesel	0.00193751	0.002344387	0.002790014	0.017494161	0.021267435	7.507922255	0.000781206	0.000718709		6.94E-05	6.13E-05	243586.2691	37986.68466	70.08006579	12877599			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	750 Diesel	5.59E-05	6.77E-05	8.05E-05	0.000504841	0.000611287	0.124286525	2.33E-05	2.14E-05		1.16E-06	4.60E-07	1836.464135	384.2416667	0.693254492	249494.3			
Orange (SC)	2022 ConstMin - Tractors/Loaders/Backhoes	Aggregate	9999 Diesel	0.000656805	0.000794734	0.000945799	0.004948503	0.015427894	2.563805942	0.000292505	0.000269104		2.37E-05	2.09E-05	83179.86027	2358.181177	3.778385065	4364410			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	50 Diesel	0.00117543	0.00142227	0.001692619	0.008896583	0.008405127	1.160749181	0.000542256	0.000498876		1.07E-05	9.47E-06	37659.22885	32615.08786	84.66282476	1300170			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	75 Diesel	9.47E-05	0.000114584	0.000136365	0.000575694	0.000955954	0.069296108	6.56E-05	6.04E-05		6.38E-07	5.66E-07	2248.235896	1234.854445	4.521765404	86202.47			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	100 Diesel	0.000595654	0.000721814	0.000859103	0.005163631	0.008003468	0.765139331	0.000405814	0.000373611		7.06E-06	6.25E-06	24825.84986	11399.00401	34.53858419	1095635.4			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	175 Diesel	0.000108057	0.000130749	0.000155602	0.000123915	0.001651547	0.178070872	6.95E-05	6.40E-05		1.65E-06	1.46E-06	580.2188457	1590.277597	5.387634303	223614.3			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	300 Diesel	0.000192128	0.000232266	0.000276881	0.002365849	0.002856901	0.318625099	0.000113748	0.000102447		5.31E-06	4.70E-06	18644.6468	2116.049408	6.926958389	480405.6			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	600 Diesel	0.000179894	0.000217672	0.000259048	0.000225566	0.002213154	0.586077671	9.28E-05	8.54E-05		5.41E-06	4.78E-06	19044.64458	1914.707415	5.195218792	727956.6			
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	750 Diesel	1.53E-05	1.85E-05	2.20E-05	0.000331333	9.23E-05	0.018220874	1.13E-06	2.88E-06		4.60E-08	4.06E-08	161.0107324	362.8854129	1.244873.2				
Orange (SC)	2022 ConstMin - Trenchers	Aggregate	9999 Diesel	2.77E-05	3.35E-05	3.99E-05	0.000402516	0.000381394	0.051547232	1.78E-05	1.64E-05		1.39E-07	1.24E-07	491.4352468	21.98031997	0.096207755	18903.09			
Orange (SC)	2022 ConstMin - Aerial Lifts	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Aerial Lifts	Aggregate	50 Diesel	0.000806923	0.000976377	0.001161968	0.018770499	0.017530851	3.54221537	0.001463389	0.001346677		3.27E-05	2.89E-05	114923.2766	140563.3893	464.4663277	6284403			
Orange (SC)	2022 ConstMin - Aerial Lifts	Aggregate	75 Diesel	0.000729043	0.000882142	0.001049822	0.026338449	0.013696569	4.367938396	0.000249201	0.000229265		4.04E-05	3.57E-05	141712.9508	122930.9002	407.257403	8889369			
Orange (SC)	2022 ConstMin - Aerial Lifts	Aggregate	100 Diesel	0.000428377	0.000518441	0.000616864	0.018907253	0.005465968	1.818180452	0.000210414	0.00019345		1.68E-05	1.48E-05	58814.57977	46973.23161	155.4066191	3688943			
Orange (SC)	2022 ConstMin - Aerial Lifts	Aggregate	175 Diesel	5.41E-05	6.54E-05	7.79E-05	0.002040116	0.000513936	0.377742395	1.94E-05	1.79E-05		3.49E-06	3.08E-06	12255.43601	5894.689864	19.50802415	769060.9			
Orange (SC)	2022 ConstMin - Aerial Lifts	Aggregate	300 Diesel	2.63E-06	3.18E-06	3.79E-06	0.000102586	2.91E-05	0.022737064	3.88E-07	3.57E-07		2.09E-07	1.84E-07	732.3577005	1.977.9E+05	0.654736788	45996.65			
Orange (SC)	2022 ConstMin - Aerial Lifts	Aggregate	600 Diesel	1.50E-06	1.82E-06	2.16E-06	2.88E-05	7.94E-06	0.016030136	2.74E-07	2.52E-07		1.48E-07	1.31E-07	520.0801061	66.60383586	0.231991283	32635.88			
Orange (SC)	2022 ConstMin - Forklifts	Aggregate	25 Diesel	0	0	0	0	0	0	0	0										
Orange (SC)	2022 ConstMin - Forklifts	Aggregate	50 Diesel	0.002880235	0.003485144	0.00414761	0.022513681	0.017489984	2.38405323	0.001094154	0.001006621		2.20E-05	1.95E-05	77347.98149	157662.7343	215.3161954	6684689			
Orange (SC)	2022 ConstMin - Forklifts	Aggregate	75 Diesel	0.000543988	0.000658226	0.000783443	0.002191829	0.005159156	0.216536185	0.000417482	0.000384083		1.99E-06	1.77E-06	7025.27805	9312.06387	19.39625231	682194.9			
Orange (SC)	2022 ConstMin - Forklifts	Aggregate	100 Diesel	0.001737297	0.002102857	0.002263403	0.019853107	0.017762873	2.964927914	0.001684259	0.001549304		0.000263008	0.000232599	926932.951	1080378.292	1417.349997	89068963			
Orange (SC)	2022 ConstMin - Forklifts	Aggregate	175 Diesel	0.003388213	0.004704738	0.005599027	0.054995044	0.042788697	7.075996514	0.002288299	0.002105235		8.38E-05	7.41E-05	294460.7115	200502.5481	267.6326924	28342062			
Orange (SC)	2022 ConstMin - Forklifts	Aggregate	300 Diesel	0.000728057	0.000888889	0.001046833	0.004691733	0.008600933	1.579491124	0.000510547	0.000460857		1.81E-05	1.61E-05	64100.03975	29363.18794	33.84939193	4186316			
Orange (SC)	2022 ConstMin - Forklifts	Aggregate	600 Diesel	0.000180347	0.00021822	0.000259699	0.001164876	0.001899343	0.499757413	7.08E-05	6.51E

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	Equipment Type	Horsepower HP	Gasoline				Diesel				Natural Gas			
			Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	1686457.5	1153.23	557479.3	0.30215931	8077.45	18.18	14764.25	0.547059175	0	0	0	0
Air Compressors50	Air Compressors	50	51490.55	47.8	23093.55	2.229650703	91104	109.62	8923.5	1.020942406	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	281093.8	154.96	74905.3	3.752655687	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	34488.85	10.41	5044.3	6.837324775	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	34419.5	106.05	39799.6	0.864820249	25927	158.77	63411.45	0.459333448	53282.5	120.15	49088.45	1.181797251
Aerial Lifts50	Aerial Lifts	50	72518.2	126.84	45749.1	1.585128451	118626.9208	473.977232	145093.3401	0.817590392	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	89153.05165	262.823618	80016.54505	1.114182719	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	130337.85	126.84	45749.1	2.848970799	117836.8995	311.3621075	95363.1081	1.235655405	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	12650.3932	13.90749107	6084.658838	2.079063769	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	755.959407	0.672089225	205.2508536	3.683242855	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	536.840781	0.223679675	68.7502845	7.808503805	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	4305.4	26.93	3347.05	1.30425299	3573.195	6.64	5372.8	0.665081522	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	689.85	2.49	266.45	2.589041098	3070.220791	7.426357912	2674.137144	1.14811643	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	4507.624222	5.081192259	2463.313428	1.829910819	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	7880.35	11.5	1233.7	6.387573964	14606.3589	17.58874242	6701.014631	2.179722237	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	2748.45	2.85	306.6	8.964285714	22425.0372	17.90143118	5732.345598	3.912017658	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	37205.05866	18.4486365	6040.632374	5.414983496	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	51873.93158	14.77454364	4991.933432	10.39155115	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	30619.62977	3.126887542	1820.906288	16.81559887	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	16703.67538	0.469033133	346.0433594	48.27064231	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	143744.1	4061.27	373957.2	0.3843874	919.68	92.28	27092.56	0.330413616	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	128969.1	571.83	162454.2	0.793879753	392	0.66	990.55	0.747663551	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	15771.65	9.14	5701.1	2.766325234	4698.1	5.78	1588.95	1.38028466	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	51873.93158	14.77454364	4991.933432	10.39155115	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	15388.4	5.35	3266.75	4.710614525	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	59.07929084	0.294533434	142.7119459	0.413975854	0	0	0	0
Cranes50	Cranes	50	2282.2	2.85	1185.25	1.932307692	957.1833664	3.141689966	1388.208152	0.689508444	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	366.6490116	0.981778114	364.3805895	1.006225445	0	0	0	0
Cranes100	Cranes	100	7821.95	5.67	2361.55	3.312210201	2163.02282	16.81667929	1653.69414	1.307684953	0	0	0	0
Cranes175	Cranes	175	496.4	0.22	102.2	4.857142857	66266.15439	65.77913306	30397.53103	2.179984758	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	113655.0369	72.74975823	34674.692	3.277751893	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	20322.42888	12.94611389	6597.33275	5.471002485	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	3472.105572	0.883600303	365.7419027	9.493485834	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	11000.5233	1.578844983	787.5249034	13.96847677	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	3100.168677	8.713546913	3007.940406	1.030631382	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	470.794341	1.481302975	309.1004869	1.55222771	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	136473.0827	148.217433	70213.43416	1.943683044	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	149451.1389	98.37594962	45115.38078	3.312642496	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	156487.2998	76.1564	34402.8842	4.548668039	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	548151.8293	133.4955385	64085.15752	8.552158074	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	5598.31971	0.958849036	407.0662119	13.74793473	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	31733.58429	2.814066073	1464.048918	21.67523919	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	1923.55	6.75	1956.4	0.983208955	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	6077.25	3.29	799.35	7.602739726	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	13740.9	270.66	40372.65	0.340475545	912.5	3.97	2638.95	0.345781466	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	646.05	2.04	259.15	2.492957746	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	6447.844897	6.391929129	8633.015442	0.746882249	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	123952.6534	213.0356884	157678.835	0.786108379	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	1615.310551	1.746194151	1137.887878	1.419558172	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	159133.4489	151.8315814	99448.01081	1.600167252	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	339633.1043	196.7887711	117693.7638	2.885735772	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	432365.9408	169.2935229	100579.9578	4.320205386	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	770641.8679	178.1118034	115489.5159	6.672823965	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	8020.126427	1.222135905	644.4567562	12.44478801	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	21406.7394	1.309645613	899.0918369	23.80929142	0	0	0	0
Forklifts25	Forklifts	25	1500.15	2.43	1260.2	0.685	16.49337552	0.202183848	63.10900105	0.578259494	1412.55	1.35	1441.75	0.979746835
Forklifts50	Forklifts	50	12117703	423.46	761276.85	1.591761	83543.26062	231.6611361	166170.8106	0.502755329	1877315.45	780.59	140621.14	1.335014433
Forklifts75	Forklifts	75	0	0	0	0	7024.916105	20.30235417	9230.406262	0.761062487	0	0	0	0
Forklifts100	Forklifts	100	5631550.8	1498.17	2676610.7	2.103987626	1236666.862	1933.602457	1254788.311	0.98316748	11748682.05	2739.48	4935373.05	2.380505373
Forklifts175	Forklifts	175	3944462.8	54.76	97809.05	4.032988767	363851.9804	355.3414056	229968.9044	1.582179044	881785.25	100.25	180612.95	4.882181759
Forklifts300	Forklifts	300	0	0	0	0	70688.02947	43.99572007	31136.18128	2.259393888	0	0	0	0
Forklifts600	Forklifts	600	0	0	0	0	18391.92441	6.983219562	4720.937856	3.895820062	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	2881.782208	0.310114707	22.08815035	12.98353574	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	1323.948282	0.181591105	144.7804768	9.144522178	0	0	0	0
Generator Sets25	Generator Sets	25	2441773.35	30290.77	3480362.8	0.701585987	2116585.4	1031.34	348147.95	6.080032876	0	0	0	0
Generator Sets50	Generator Sets	50	4606692.6	1572.69	180602.1	2.217542642	250955.75	512.05	17961.6	1.397175371	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	1810254	308.7	34868.45	5.191667539	0	0	0	0	16235.4	22.61	2587.85	6.271624829
Generator Sets175	Generator Sets	175	295597.85	28.75	3292.3	8.9800221	0	0	0	0	23480.45	18.79	2157.35	10.88496078
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	23.81317	0.175475447	40.35200177	0.587673523	0	0	0	0
Graders50	Graders	50	0	0	0	0	797.7667118	2.544595424	907.2510002	0.879323047	0	0	0	0
Graders75	Graders	75	0	0	0	0	296.4468133	0.52624564	193.027814	1.53574144	0	0	0	0
Graders100	Graders	100	0	0	0	0	19106.33323	26.49680754	10200.70976	1.881854477	0	0	0	0
Graders175	Graders	175	0	0	0	0	208427.6545	137.397353	65421.62746	3.155342698	0	0	0	0
Graders300	Graders	300	0	0	0	0	428112.239	122.8328823	94153.87641	4.546942157	0	0	0	0
Graders600	Graders	600	0	0	0	0	27857.72989	4.825577519	3927.061662	7.042853975	0	0	0	0
Graders750	Graders	750	0	0	0	0	0	0	0	0	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	14845.6105	0.52642664	388.2859915	38.23370302	0	0	0	0
Pavers25	Pavers	25	11760.2	26.97	10449.95	1.125392944	1713.75	2.48	2044	0.848214286	0	0	0	0
Pavers50	Pavers	50	7387.6	8.06	3182.8	2.321100917	3395.963445	10.22498695	3669.421936	0.92605601	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	4457.771193	8.435201518	2919.706396	1.526787489	0	0	0	0
Pavers100	Pavers	100	6624.75	4.46	1741.05	3.805031447	29336.85495	40.98315081	16358.36894	1.793276467	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	44886.38725	33.82502013	13207.30914	3.398604315	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	34838.47391	16.18877059	7364.146162	4.730823254	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	6608.190109	1.874489228	829.3619551	7.967784318	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	1315.079034	0.170408113	81.61709698	16.11278882	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment25	Paving Equipment	25	249565.1	2887.4	546215.2	0.456898859	2058.6	4.31	1577	0.575510204	0	0	0	0
Paving Equipment50	Paving Equipment	50	86310.35	22.09	3861.7	2.229678639	4237.119948	12.58992108	5999.874378	0.706201444	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	727.4936868	1.301072546	562.3305466	1.293172365	0	0	0	0
Paving Equipment100	Paving Equipment	100	3562.4	5.69	1007.4	3.536231884	17617.28773	23.05316631	10750.23363	1.638718449	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	18993.96818	15.31286518	7124.261058	2.666096599	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	12805.83123	6.188002575	3020.185782	4.240088639	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	13816.07722	3.998159614	1891.474156	7.304390766	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	2616.302631	0.425335172	223.3242888	11.71526235	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	1242.394866	0.170134069	80.20801921	15.48965899	0	0	0	0
Rollers25	Rollers	25	581468.85	312.41	77792.45	0.747184226	37805.6673	142.1976429	98865.99411	0.382403495	0	0	0	0
Rollers50	Rollers	50	9581.25	5.67	3533.2	2.711776886	69777.12182	258.4589559	90516.12071	0.770883604	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	729.9040188	2.278715788	530.657568	1.375478699	0	0	0	0
Rollers100	Rollers	100	30061.4	10.69	6643	4.525247232	108329.9767	190.5356969	63950.32468	1.693977098	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	112754.8218	111.4817877	40445.91715	2.787793054	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	19064.30199	14.46308095	4520.61592	4.217191269	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	10540.2851	4.995646147	1535.160213	6.805905598	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	0	0	0	0	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	36.49337985	0.202183846	63.10900105	0.578259494	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	1554.9	1.14	470.85	1.302325581	3511.584564	11.53017923	3182.329815	1.104091898	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	96.90018444	0.303425789	70.21798826	1.379598659	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	34021.65	16.16	6694.1	5.082331997	278910.7979	487.4029203	139113.7412	2.004911902	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	1912.6	0.59	229.95	8.317460317	59001.65337	82.22383239	22911.80971	2.614441011	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	4485.056248	6.045078704	1024.703188	4.376863278	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	1666.62567	0.809135383	209.6621258	7.949102222	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	286.7823898	0.301141923	22.08815035	12.98353574	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	3078.683033	3.418742052	3284.645906	0.937295259	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	3307.833223	3.085208242	2324.52457	1.423009501	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	9982.282579	6.137180195	5563.695776	1.794261651	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	13439.18951	5.836876675	4640.377697	2.896141803	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	15133.94742	4.752885292	3385.427152	4.470321155	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	155624.8497	28.01700804	20564.90295	7.569497465	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	5771.279758	0.410019752	423.9371678	13.61352619	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Scrapers25	Scrapers	25	0	0	0	0	24.79312367	0.089193017	35.74611916	0.693581041	0	0	0	0
Scrapers50	Scrapers	50	0	0	0	0	197.3342402	0.5155981	186.7734726	1.056543216	0	0	0	0
Scrapers75	Scrapers	75	0	0	0	0	1712.519571	2.234258413	1015.586963	1.686236269	0	0	0	0
Scrapers100	Scrapers	100	0	0	0	0	8259.66349	6.271130217	3630.713465	2.274647753	0	0	0	0
Scrapers175	Scrapers	175	0	0	0	0	103941.4416	54.39559955	24772.00698	4.195914246	0	0	0	0
Scrapers300	Scrapers	300	0	0	0	0	126408.5661	55.68454948	22831.35715	5.543805403	0	0	0	0
Scrapers600	Scrapers	600	0	0	0	0	1546334.297	301.6248885	146508.7461	10.5545528	0	0	0	0
Scrapers750	Scrapers	750	0	0	0	0	23789.01645	4.1247848	1525.366341	15.59560862	0	0	0	0
Scrapers9999	Scrapers	9999	0	0	0	0	35736.61225	2.224258416	896.6318224	39.85553872	0	0	0	0
Skid Steer Loaders25	Skid Steer Loaders	25	190405.9	545.55	174185.3	1.093122689	1666042.5	317.97	2654207	0.627697852	0	0	0	0
Skid Steer Loaders50	Skid Steer Loaders	50	45988.1	77.65	24090	1.908381838	52785.69455	178.9543853	56998.31055	0.926220687	0	0	0	0
Skid Steer Loaders75	Skid Steer Loaders	75	0	0	0	0	280467.3992	577.2321417	208257.9819	1.346730568	0	0	0	0
Skid Steer Loaders100	Skid Steer Loaders	100	614872	46.46	14413.85	4.265880995	99.28859964	0.724611294	197.1718468	1.614161795	0	0	0	0
Skid Steer Loaders175	Skid Steer Loaders	175	0	0	0	0	1896.151115	2.19552226	654.5814416	2.896738272	0	0	0	0
Skid Steer Loaders300	Skid Steer Loaders	300	0	0	0	0	1760.394528	1.508291793	450.3643342	3.908823129	0	0	0	0
Skid Steer Loaders600	Skid Steer Loaders	600	0	0	0	0	508.7449752	0.177469091	56.38525748	9.022661376	0	0	0	0
Skid Steer Loaders750	Skid Steer Loaders	750	0	0	0	0	0	0	0	0	0	0	0	0
Skid Steer Loaders9999	Skid Steer Loaders	9999	0	0	0	0	688.65481	0.177460919	36.08655717	19.08346307	0	0	0	0
Surfacing Equipment25	Surfacing Equipment	25	12184.65	779.36	333405.6	0.365442722	0	0	0	0	0	0	0	0
Surfacing Equipment50	Surfacing Equipment	50	0	0	0	0	489.19059	3.139115698	774.2715212	0.631807467	0	0	0	0
Surfacing Equipment75	Surfacing Equipment	75	0	0	0	0	310.9079488	1.207352159	297.8038912	1.044009109	0	0	0	0
Surfacing Equipment100	Surfacing Equipment	100	0	0	0	0	2960.157472	7.485583379	2118.20227	1.397485742	0	0	0	0
Surfacing Equipment175	Surfacing Equipment	175	0	0	0	0	2544.161986	4.748314485	1189.448487	2.138893496	0	0	0	0
Surfacing Equipment300	Surfacing Equipment	300	0	0	0	0	4943.212707	5.634310066	1398.897051	3.533650102	0	0	0	0
Surfacing Equipment600	Surfacing Equipment	600	0	0	0	0	17417.29383	9.578327113	2734.085276	6.370428106	0	0	0	0
Surfacing Equipment750	Surfacing Equipment	750	0	0	0	0	7452.015453	2.414704334	743.8586939	10.01804733

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Orange (SC)	2023 ConstMin - Paving Equipment	Aggregate	100 Diesel	0.000209903	0.000253982	0.00030226	0.003544842	0.002853604	0.543007728	0.000312383	0.000121792	5.01E-06	4.43E-06	17617.28773	10750.23363	23.05316631	957658.7
Orange (SC)	2023 ConstMin - Paving Equipment	Aggregate	175 Diesel	0.000210033	0.000254139	0.000302447	0.003545186	0.002145052	0.585403978	0.000122254	0.00011247	5.41E-06	4.78E-06	18995.96818	7124.261059	15.31206618	1018542
Orange (SC)	2023 ConstMin - Paving Equipment	Aggregate	300 Diesel	0.000111638	0.000133478	0.00016361	0.003846207	0.00140958	0.934706917	5.73E-05	5.27E-05	3.65E-06	3.22E-06	12805.83123	3020.185782	6.380027575	697086.2
Orange (SC)	2023 ConstMin - Paving Equipment	Aggregate	600 Diesel	9.09E-05	0.000108947	0.000130846	0.00082131	0.000291536	0.425845175	3.61E-05	3.32E-05	3.93E-06	3.48E-06	13816.07773	1891.474159	3.998150614	753281.4
Orange (SC)	2023 ConstMin - Paving Equipment	Aggregate	750 Diesel	1.57E-05	1.90E-05	2.26E-05	0.000150869	0.000168991	0.080604821	6.63E-06	4.26E-06	7.45E-07	6.58E-07	2616.302633	223.3242888	0.425335172	142292.2
Orange (SC)	2023 ConstMin - Paving Equipment	Aggregate	9999 Diesel	6.38E-06	7.72E-06	9.18E-06	7.21E-05	0.000017066	0.038293637	2.84E-06	2.61E-06	1.54E-07	3.13E-07	1242.394866	80.28801921	0.170134069	67616.54
Orange (SC)	2023 ConstMin - Paving Equipment	Aggregate	25 Diesel	1.90E-06	2.30E-06	2.74E-06	6.34E-06	4.39E-06	0.000336498	6.00E-07	5.52E-07	3.05E-09	2.75E-09	10.91729861	20.25419028	0.087642765	506.3527
Orange (SC)	2023 ConstMin - Rollers	Aggregate	50 Diesel	0.001994702	0.00241359	0.002872372	0.011544211	0.014334754	2.150700891	0.000772936	0.000711101	1.98E-05	1.76E-05	69777.12182	90516.12071	258.4589559	3234394
Orange (SC)	2023 ConstMin - Rollers	Aggregate	75 Diesel	0.00146	0.00176	0.002095	0.00842	0.010453386	0.02249742	4.53E-05	4.17E-05	2.06E-07	1.84E-07	729.9040188	530.6576663	2.278715786	37617.96
Orange (SC)	2023 ConstMin - Rollers	Aggregate	100 Diesel	0.001436951	0.00173871	0.002069209	0.021664507	0.018402752	3.338993804	0.00100238	0.000922319	3.08E-05	2.73E-05	108129.9767	63950.32663	190.5356969	5580644
Orange (SC)	2023 ConstMin - Rollers	Aggregate	175 Diesel	0.000831625	0.000988007	0.001174501	0.010347177	0.010391371	1.47137831	0.000445428	0.000409794	1.21E-05	1.08E-05	42754.82418	40445.93717	111.4817787	5813006
Orange (SC)	2023 ConstMin - Rollers	Aggregate	300 Diesel	0.000204425	0.000247354	0.000294372	0.001741479	0.002824998	0.587608233	0.000107642	9.90E-05	5.43E-06	4.80E-06	19064.30199	4520.61592	14.46180895	982352.9
Orange (SC)	2023 ConstMin - Rollers	Aggregate	600 Diesel	7.24E-05	8.76E-05	0.000104285	0.000657844	0.000931354	0.324076649	3.17E-05	2.92E-05	3.02E-06	2.65E-06	10540.2651	1535.160213	4.995684147	540463.1
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	25 Diesel	6.30E-07	7.63E-07	9.07E-07	7.79E-06	9.59E-06	0.012401243	5.40E-07	4.97E-07	1.04E-08	9.18E-09	36.49137605	31.19900107	0.00228346	1577.725
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	50 Diesel	0.000105719	0.00012792	0.000152236	0.000761175	0.000708689	0.108297236	3.74E-05	3.44E-05	9.98E-07	8.84E-07	3513.586564	3182.329813	11.53017921	151960.2
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	75 Diesel	8.31E-06	1.01E-05	1.20E-05	8.27E-05	0.000078665	0.012029867	4.56E-06	4.21E-06	2.74E-08	2.44E-08	96.50118199	70.23798082	0.303425769	4656.606
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	100 Diesel	0.001479989	0.002032787	0.002419185	0.052132133	0.029863668	8.595710278	0.000731642	0.000673111	7.94E-05	7.02E-05	278910.7974	139113.7422	487.4029263	13399965
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	175 Diesel	0.0006602	0.000798842	0.000950688	0.021284007	0.013887138	3.844148894	0.000458687	0.000421838	1.71E-05	1.51E-05	59965.65337	22911.83971	82.22383187	5881580
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	300 Diesel	2.44E-05	2.96E-05	3.52E-05	0.000258157	0.000373789	0.118238819	8.75E-06	8.05E-06	1.28E-06	1.13E-06	4485.006248	1024.703188	4.045676914	215559
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	600 Diesel	5.80E-06	7.02E-06	8.35E-06	9.25E-05	5.79E-05	0.051169464	8.82E-07	8.12E-07	4.75E-07	4.19E-07	1656.42567	209.6621258	0.803913588	80794.33
Orange (SC)	2023 ConstMin - Rough Terrain Forklifts	Aggregate	750 Diesel	1.56E-06	1.88E-06	2.24E-06	1.64E-05	2.25E-05	0.002833329	1.60E-07	1.47E-07	8.17E-08	7.21E-08	286.7822868	22.88515037	0.001415923	13805.09
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	50 Diesel	7.12E-05	8.62E-05	0.000102591	0.000784551	0.000550613	0.094892512	2.31E-05	2.13E-05	8.75E-07	7.75E-07	3078.683033	3284.645905	3.418742052	135429.3
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	75 Diesel	0.000135847	0.000164374	0.000195619	0.000862797	0.00113893	0.101955016	9.80E-05	9.02E-05	9.39E-07	8.32E-07	3307.818223	2324.52457	3.085206242	161321.7
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	100 Diesel	0.000300706	0.000363854	0.000433016	0.002149778	0.003068888	0.289461538	0.000306888	0.000281123	2.75E-06	2.44E-06	9682.282574	5563.695579	9.637188399	470078.3
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	175 Diesel	0.000411022	0.000497336	0.000591871	0.003007525	0.004500836	0.414228562	0.000286182	0.000263288	3.82E-06	3.38E-06	13439.18851	4640.377697	5.836876675	656955.9
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	300 Diesel	0.000329923	0.000399206	0.000475089	0.002115564	0.004350034	0.48666513	0.000394432	0.000361788	4.32E-06	3.81E-06	15133.94742	3385.427332	4.752885292	738872.5
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	600 Diesel	0.000311202	0.000408827	0.000477079	0.002285844	0.004219063	0.479577013	0.000418964	0.000167909	4.42E-05	3.92E-05	155624.8497	20554.90285	28.01780804	7749564
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	750 Diesel	6.12E-05	7.41E-05	8.81E-05	0.000363556	0.000965905	0.177884904	2.73E-05	2.51E-05	1.64E-06	1.45E-06	577.1279791	423.9371676	0.416919762	282272.8
Orange (SC)	2023 ConstMin - Rubber Tired Dozers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	50 Diesel	0.000042817	0.000518086	0.000616565	0.00299536	0.002270022	0.29573183	0.000149874	0.000137884	2.72E-06	2.41E-06	959.6935158	31087.34623	12.77586743	460421.6
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	75 Diesel	4.76E-05	5.76E-05	6.85E-05	0.000188215	0.000253876	0.031615859	3.33E-05	3.06E-05	1.57E-07	1.37E-07	624.4737756	479.1287551	0.880611443	32857.24
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	100 Diesel	0.004650866	0.005627547	0.006697247	0.052987413	0.048052059	7.242527706	0.003252776	0.002992554	6.68E-05	5.91E-05	234975.8352	147451.1401	158.1784443	12674078
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	175 Diesel	0.007353133	0.008897519	0.010588781	0.108592865	0.072546142	17.25712833	0.003896318	0.003584613	0.000159423	0.000140932	560212.5617	300237.4488	210.4992729	30025265
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	300 Diesel	0.008147971	0.009859045	0.011733078	0.076459793	0.096010886	24.95110591	0.003217374	0.002960494	0.000239441	0.000211623	840938648	809511.0228	208984.1557	193300929
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	600 Diesel	0.011446813	0.013850644	0.016483411	0.083672535	0.123091861	32.39081231	0.004552196	0.004188802	0.000299126	0.000265369	1050884.231	370834.9523	137.3012318	56374947
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	750 Diesel	0.000899108	0.001088053	0.001294845	0.006573655	0.009671557	2.544577293	0.000357921	0.000329316	2.34E-05	2.51E-05	99757.11053	8304.462888	8.250577589	5364944
Orange (SC)	2023 ConstMin - Rubber Tired Loaders	Aggregate	9999 Diesel	0.000719406	0.000870481	0.001035945	0.004877636	0.015718738	2.235940935	0.000325382	0.000299351	2.07E-05	1.82E-05	72542.64117	4043.01902	3.385452379	3871207
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	25 Diesel	1.65E-07	2.20E-07	2.38E-07	4.23E-06	1.72E-06	0.000745184	1.36E-08	1.25E-08	7.06E-09	6.24E-09	24.79122877	21.20139703	0.000775193	535.653
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	50 Diesel	2.95E-05	3.57E-05	4.25E-05	0.000100555	7.10E-05	0.026082322	9.93E-06	9.14E-06	5.53E-08	4.90E-08	197.3342492	186.7734726	0.5155981	7233.724
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	75 Diesel	7.30E-05	8.83E-05	0.000105072	0.000422986	0.000681675	0.052784025	5.80E-05	5.33E-05	4.86E-07	4.31E-07	1712.515571	1015.589863	2.234258433	68625.65
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	100 Diesel	0.000219375	0.000265875	0.000316611	0.001932978	0.002731345	0.254581566	0.000201026	0.000184943	2.35E-06	2.08E-06	8259.68344	3630.713465	6.273110217	328855.1
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	175 Diesel	0.000172492	0.000209285	0.000249068	0.020300175	0.020055439	3.20372847	0.000153636	0.000969345	2.96E-05	2.61E-05	103941.4419	24772.06058	54.39559955	4138440
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	300 Diesel	0.000201407	0.000243703	0.000290268	0.012729484	0.018562107	2.891521994	0.000212981	0.000195803	1.60E-05	1.38E-05	52648.5663	22803.35717	55.68459468	5077771
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	600 Diesel	0.01761438	0.0211134	0.025364707	0.158641102	0.222902675	47.66179033	0.008537908	0.007854876	0.000440128	0.000388909	1546334.297	146508.7461	301.6248885	61816800
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	750 Diesel	0.000797588	0.000962921	0.001139888	0.008952014	0.008855876	0.011324269	0.001724793	0.001586443	0.000533834	0.000490418	6.76E-06	5.98E-06	2378810.645	1525.366943	4.124784809	5053.87
Orange (SC)	2023 ConstMin - Scrapers	Aggregate	9999 Diesel	0.000786826	0.000952059	0.001133029	0.009427039	0.01334197	1.101489456	0.000477952	0.000439715	1.02E-05	8.99E-06	35736.61225	896.6318224	2.234258433	1431910
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	50 Diesel	0.000805362	0.000974488	0.001159722	0.01007584	0.009295346	1.626980932	0.000257251	0.000236671	1.50E-05	1.31E-05	527885.60455	56990.31053	178.9543851	7282700
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	75 Diesel	0.002066042	0.002499911	0.002975101	0.053389552	0.033260859	8.644682259	0.001122487	0.001032688	7.99E-05	7.06E-05	280467.3902	208257.9819	577.2321417	34716756
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	100 Diesel	8.21E-06	9.95E-06	1.18E-05	1.78E-05	8.39E-05	0.003903813	5.54E-06	5.12E-06	2.80E-08	2.50E-08	99.28905342	61.51117	0.266160454	5207.946
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	175 Diesel	1.17E-05	1.42E-05	1.69E-05	0.000317579	0.000137735	0.058443991	5.79E-06	5.32E-06	5.40E-07	4.77E-07	1896.151115	654.5814419	2.39552226	997816
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	300 Diesel	8.64E-06	1.04E-05	1.24E-05	0.000102382	0.000120305	0.054259644	3.69E-06	3.40E-06	5.01E-07	4.43E-07	1760.394626	458.3641942	1.508230178	92396.66
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	600 Diesel	3.99E-06	4.83E-06	5.75E-06	2.95E-05	6.18E-05	0.01568076	2.69E-06	2.47E-06	1.45E-07	1.28E-07	508.7449752	56.38524558	0.177446093	26658.94
Orange (SC)	2023 ConstMin - Skid Steer Loaders	Aggregate	9999 Diesel	2.34E-06	2.84E-06	3.38E-06	3.80E-05	9.16E-05	0.02122607	1.24E-06	1.14E-06	1.96E-07	1.73E-07	688.656481	36.08655717	0.177446093	36086.56
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	50 Diesel	9.08E-06	1.10E-05	1.31E-05	9.64E-05	9.87E-05	0.015078044	3.91E-06	3.60E-06	1.39E-07	1.23E-07	489.1905439	774.2715212	3.139115608	28015.04
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	75 Diesel	9.12E-06	1.10E-05	1.31E-05	6.54E-05	0.000122605	0.009542924	7.75E-06	7.13E-06	8.83E-08	7.82E-08	310.9075408	297.8038932	1.207352157	8589.33
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	100 Diesel	2.13E-05	2.57E-05	3.06E-05	0.000559305	0.000359337	0.091239265	1.28E-05	1.18E-05	8.43E-07	7.45E-07	2960.157672	2118.20227	7.485583374	188986.5
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	175 Diesel	4.08E-05	4.94E-05	5.88E-05	0.000466027	0.000484913	0.078415414	2.81E-05	2.58E-05	7.24E-07	6.40E-07	2544.101746	1189.448667	3.748934829	144029.6
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	300 Diesel	4.89E-05	5.92E-05	7.05E-05	0.00038844	0.000793862	0.152361859	2.68E-05	2.47E-05	1.41E-06	1.24E-06	4943.212707	1398.897051	5.634310066	316511.4
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	600 Diesel	9.56E-05	0.000115683	0.000137675	0.000384714	0.001215086	0.519834244	4.71E-05	4.34E-05	4.96E-06	4.38E-06	17417.20568	2734.085274	9.578327113	1139069
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	750 Diesel	3.82E-05	4.62E-05	5.49E-05	0.000143858	0.000505029	0.222689151	1.81E-05	1.67E-05	2.12E-06	1.87E-06	7452.015463	743.8586939	2.414704104	478521.1
Orange (SC)	2023 ConstMin - Surfacing Equipment	Aggregate	9999 Diesel	1.72E-05	2.08E-05	2.48E-05	0.000177233	0.000470036	0.082996345	8.89E-06	8.18E-06	7.67E-07	6.77E-07	2692.725009	197.1718468	0.724411294	172650.2
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	50 Diesel	0.001058998	0.001281387	0.001524957	0.008390352	0.006966451	0.991618831	0.000419355	0.000385807	9.14E-06	8.10E-06	32178.46968	34473.63671	48.20511136	1227631
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	75 Diesel	0.000256101	0.000309883	0.000368788	0.003668373	0.001639179	0.239402757	0.000078387	0.000072088	1.91E-06	1.69E-06	6713.981751	3948.322051	5.607134871	286737.6
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	100 Diesel	0.000581415	0.000703513	0.000837238	0.009017344	0.00710568	1.12533111	0.000398188	0.000366333	1.22E-05	1.08E-05	42998.90826	23147.76557	32.07986172	1823941
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	175 Diesel	0.000174479	0.00021112	0.00025125	0.002328626	0.001884683	0.382361721	9.09E-05	8.37E-05	3.53E-06	3.12E-06	12405.30884	3292.740077	4.521895402	326286.3
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	300 Diesel	0.556E-05	7.92E-05	9.43E-05	0.000670511	0.000864006	0.222622683	2.77E-05	2.55E-05	2.12E-06	1.87E-06	7449.981033	1507.167973	2.047650748	132258.9
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	600 Diesel	3.26E-06	3.94E-06	4.69E-06	5.65E-05	1.55E-05	0.031010835	5.44E-07	5.00E-07	2.87E-07	2.53E-07	1006.112378	129.3435623	0.170637562	42683.38
Orange (SC)	2023 ConstMin - Sweepers/Scrubbers	Aggregate	9999 Diesel	1.13E-06	1.37E-06	1.63E-06	1.80E-05	0.000179201	0.039844224	1.13E-06	1.04E-06	1.68E-07	1.48E-07	592.1923964	64.61781615	0.085318781	54841.67
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	50 Diesel	0.002863279	0.003446557	0.004112112	0.025841446	0.021529998	3.208104703	0.001030503	0.000947675	2.62E-05	2.30E-05	1040814.242	130970.3394	250.4521703	6952531
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	75 Diesel	0.001194037	0.001444785	0.001719413	0.004823846	0.011325477	0.482678231	0.000921295	0.000847592	4.43E-06	3.94E-06	15659.96362	11417.49317	49.30505717	820437.6
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	100 Diesel	0.018027694	0.02181351	0.02595988	0.138643982	0.214469478	51.35243189	0.010728211	0.009869954	0.000474237	0.000419131	1666070.178	1046181.582	1651.239853	87104925
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	175 Diesel	0.002604186	0.003151065	0.003750027	0.052653508	0.026020514	8.971582965	0.001309139	0.001204398	8.29E-05	7.32E-05	291073.1289	106817.5407	190.2389353	15837566
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	300 Diesel	0.001587059	0.001920342	0.002285366	0.013085805	0.018899707	5.630084842	0.000687351	0.000632163	5.20E-05	4.60E-05	182661.9023	46102.35113	81.76783597	9604498
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	600 Diesel	0.000776148	0.000939189	0.001117653	0.013779598	0.013779598	7.398804572	0.000336001	0.000309055	3.68E-05	3.24E-05	129004.0642	22532.12293	37.30722077	3265201
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	750 Diesel	5.05E-05	6.12E-05	7.28E-05	0.000622394	0.000544881	0.11990922	2.26E-05	2.08E-05	1.11E-06	9.79E-07	3890.322598	312.587025	0.698124533	207358.3
Orange (SC)	2023 ConstMin - Tractors/Loaders/Backhoes	Aggregate	9999 Diesel	0.000653507	0.000792921	0.000943642	0.004891293	0.014861144	2.515548808	0.000287837	0.000264722	2.15E-05	1.89E-05	75488.40935	2512.740947	1.460515384	1436095
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	50 Diesel	0.001024501	0.001239646	0.001475281	0.008310665	0.007948197	1.139078577	0.000424047	0.000390951	1.05E-05	9.28E-06	36956.14998	32004.33056	82.12565331	1276249
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	75 Diesel	9.53E-05	0.000115291	0.000137205	0.000570851	0.000956259	0.068184627	6.62E-05	6.09E-05	2.07E-07	1.72E-07	2212.175128	1213.690314	4.479580108	85187.79
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	100 Diesel	0.000550066	0.00066558	0.000792095	0.005194237	0.006306112	0.743200757	0.000439971	0.000404773	6.85E-06	6.07E-06	24112.33007	11072.35014	33.22355247	925697.1
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	175 Diesel	0.000113618	0.000137468	0.000163599	0.001216128	0.001235546	0.183556946	6.00E-05	5.52E-05	1.69E-06	1.50E-06	5955.302953	1660.6692	5.412825654	230046.8
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	300 Diesel	0.000108544	0.000224383	0.000267034	0.001116099	0.002534792	0.378953614	0.000106014	9.75E-05	5.32E-06	3.09E-06	12294.73265	2095.570426	6.719370162	471366.6
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	600 Diesel	0.000104678	0.00019595	0.000217421	0.001827119	0.001909969	0.573968881	8.13E-05	7.48E-05	1.52E-06	1.32E-06	5256.886481	1877.634653	2.955115183	207413.3
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	750 Diesel	1.59E-05	1.93E-05	2.29E-05	0.000329747	9.11E-05	0.185145866	1.11E-06	2.86E-06	1.71E-06	1.51E-06	6006.853735	356.8282067	0.746596685	210969.9
Orange (SC)	2023 ConstMin - Trenchers	Aggregate	9999 Diesel	2.73E-05	3.30E-05	3.93E-05	0.000398846	0.000376861	0.014862475	1.76E-05	1.62E-05	1.37E-07	1.21E-07	482.1967759	21.56713247	0.093324586	18547.73
Orange (SC)	2023 ConstMin - Aerial Lifts	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 Industrial - Aerial Lifts	Aggregate	50 Diesel	0.000836367	0.001012004	0.001204369	0.019435507	0.018036419	3.656370707	0.000143829	0.000132322	3.38E-05	2.98E-05	11826.9208	145093.9401	473.9772312	6693082
Orange (SC)	2023 Industrial - Aerial Lifts	Aggregate	75 Diesel	0.000468169	0.000566521	0.000674206	0.010403005	0.008811224	2.574574251	0.000195987	0.000180172	5.24E-05	4.64E-05	18513.05167	80016.54393	262.8230124	5593035
Orange (SC)	2023 Industrial - Aerial Lifts	Aggregate	100 Diesel	0.000535155	0.000647538	0.000770824	0.021894705	0.009891553	3.632001556	0.000127233	0.000117054	3.36E-05	2.96E-05	11783.694	95363.1061	311.3623075	7390697
Orange (SC)	2023 Industrial - Aerial Lifts	Aggregate	175 Diesel	5.10E-05	6.28E-05	7.48E-05	0.002247359	0.000422121	0.189935938	1.79E-05	1.64E-05	3.60E-06	3.18E-06	1265.30192	6084.658828	19.87660707	380424.9
Orange (SC)	2023 Industrial - Aerial Lifts	Aggregate	300 Diesel	2.83E-06	3.43E-06	4.08E-06	4.25E-05	3.01E-05	0.023300513	4.05E-07	3.72E-07	2.55E-07	1.90E-07	755.9594671	206.2508535	0.670139025	47437.7
Orange (SC)	2023 Industrial - Aerial Lifts	Aggregate	600 Diesel	1.62E-06	1.96E-06	2.33E-06	2.99E-05	8.23E-06	0.016546746	2.86E-07	2.63E-07	1.53E-07	1.35E-07	536.840781	68.75028845	0.223679675	35687.64
Orange (SC)	2023 Industrial - Forklifts	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023 Industrial - Forklifts	Aggregate	50 Diesel	0.002650894	0.003207582	0.003817287	0.021623844	0.01738395	2.460884158	0.000970426	0.000892792	2.27E-05	2.01E-05	79840.68282	162743.7474	219.7252374	6902724
Orange (SC)	2023 Industrial - Forklifts	Aggregate	75 Diesel	0.000545913	0.000659428	0.000785725	0.022203445	0.005216124	0.721298832	0.000415018	0.000381945	1.96E-05	1.74E-05	68957.53478	91952158.56	1024.054455	1608371
Orange (SC)	2023 Industrial - Forklifts	Aggregate	100 Diesel	0.014602465	0.017668983	0.02102755	0.230685016	0.166405287	29.42753765	0.010186424	0.009371878	0.000271634	0.000240184	954744.2004	1115667.864	1646.191562	91972162
Orange (SC)	2023 Industrial - Forklifts	Aggregate	175 Diesel	0.003350758	0.004048817	0.004817003	0.056459173	0.037696928	6.368409584	0.002338358	0.002150948	8.65E-05	7.65E-05	303950.1327	207057.8647	271.1381227	20256440
Orange (SC)	2023 Industrial - Forklifts	Aggregate	300 Diesel	0.000635213	0.000768608	0.000914707	0.00472748	0.006782137	2.040538463	0.000257888	0.000237249	1.88E-05	1.67E-05	66203.02318	30309.4781	39.95504316	6363606
Orange (SC)	2023 Industrial - Forklifts	Aggregate	600 Diesel	0.000192225	0.000232592	0.000276804	0.001213179	0.00190212	0.515514455	7.39E-05	6.80

Orange (SC)	2023 OFF - ConstMin - Signal Boards	Aggregate	25 Diesel	4.54E-05	5.41E-05	6.54E-05	0.000463444	0.000407616	0.061495526	1.43E-05	1.32E-05	7.95E-07	5.15E-07	2047.65	1244.65	2.32	46052.05	
Orange (SC)	2023 OFF - ConstMin - Skid Steer Loaders	Aggregate	25 Gasoline	0.096682189	0.033740277	0.040366511	1.52723378	0.025838799	2.479753331	0.014376901	0.014135697	6.29E-05	6.07E-05	190405.9	174185.3	545.55	3298673	
Orange (SC)	2023 OFF - ConstMin - Skid Steer Loaders	Aggregate	25 Diesel	0.004223905	0.005026796	0.006082423	0.020668592	0.018461624	5.031011312	0.001496341	0.001376634	6.36E-05	4.19E-05	166604.25	265420.7	317.97	5308414	
Orange (SC)	2023 OFF - ConstMin - Skid Steer Loaders	Aggregate	50 Gasoline	0.001244121	0.001144343	0.001380878	0.00714084	0.003918691	1.057622221	7.29E-05	5.51E-05	1.29E-05	1.61E-05	45968.1	24090	77.65	770880	
Orange (SC)	2023 OFF - ConstMin - Skid Steer Loaders	Aggregate	100 Gasoline	0.000715146	0.000657792	0.000796975	0.037381951	0.001780156	1.564010761	0.000109047	8.24E-05	1.51E-05	2.15E-05	61487.9	1443.85	46.46	1153108	
Orange (SC)	2023 OFF - ConstMin - Surfacing Equipment	Aggregate	25 Gasoline	0.024953889	0.022952569	0.027460211	0.934312749	0.019080883	1.648896704	0.011541996	0.008721526	4.76E-05	4.27E-05	121840.65	331405.6	779.26	2594380	
Orange (SC)	2023 OFF - ConstMin - Tampers/Rammers	Aggregate	25 Gasoline	0.002901538	0.002668835	0.003192866	0.135318833	0.002413991	0.256809918	0.00193152	0.001459371	1.02E-05	6.37E-06	18184.3	85041.35	466.83	358926.4	
Orange (SC)	2023 OFF - ConstMin - Tractors/Loaders/Backhoes	Aggregate	25 Diesel	0.0008309	0.000953137	0.001153296	0.000936354	0.007287908	0.995995714	0.000272125	0.000250355	1.21E-05	7.99E-06	31780.55	44037.25	46.7	1012857	
Orange (SC)	2023 OFF - ConstMin - Tractors/Loaders/Backhoes	Aggregate	100 Gasoline	0.000503382	0.000463011	0.000559341	0.035108159	0.001278043	0.61699775	4.30E-05	3.25E-05	5.66E-06	8.93E-06	25502.55	8712.55	10.02	548890.7	
Orange (SC)	2023 OFF - ConstMin - Trenchers	Aggregate	25 Gasoline	0.02260408	0.020791233	0.024874412	0.931199682	0.016722156	1.54160709	0.011630977	0.00878785	4.09E-05	4.11E-05	117241.65	121672.75	280.13	1801030	
Orange (SC)	2023 OFF - ConstMin - Trenchers	Aggregate	25 Diesel	0.000177394	0.000449131	0.000537634	0.002404498	0.003428269	0.043005566	0.001292208	0.000118871	6.01E-06	3.79E-06	15081.8	15778.95	25.5	352468.8	
Orange (SC)	2023 OFF - ConstMin - Trenchers	Aggregate	50 Gasoline	0.002103156	0.001934483	0.002314395	0.143939479	0.002962637	0.976133614	6.73E-05	5.08E-05	1.19E-05	1.60E-05	45807.5	20841.5	51.82	625245	
Orange (SC)	2023 OFF - ConstMin - Trenchers	Aggregate	100 Gasoline	0.000766795	0.000705298	0.000843811	0.039862751	0.002005539	0.704678138	4.91E-05	3.71E-05	6.81E-06	1.00E-05	28605.05	6916.75	17.18	456935.5	
Orange (SC)	2023 OFF - Industrial - Aerial Lifts	Aggregate	25 Gasoline	0.006697048	0.006160945	0.007369693	0.276144924	0.00471875	0.467570848	0.003379055	0.002535064	1.14E-05	1.21E-05	34419.5	30799.6	106.05	750717.4	
Orange (SC)	2023 OFF - Industrial - Aerial Lifts	Aggregate	25 Diesel	0.000728485	0.000866958	0.001049019	0.000417589	0.00661064	0.875058843	0.000257707	0.000237091	1.19E-05	7.33E-06	29127	61411.45	158.77	1108472	
Orange (SC)	2023 OFF - Industrial - Aerial Lifts	Aggregate	25 Nat Gas	0	0	0	0.000508283	0.011663019	0.001372796	0.797329927	0	0	0	0	53282.7	45088.45	120.13	850526.7
Orange (SC)	2023 OFF - Industrial - Aerial Lifts	Aggregate	50 Gasoline	0.002064896	0.001899292	0.002272293	0.169153537	0.003085481	1.642850773	0.000113257	8.56E-05	2.00E-05	2.54E-05	72518.2	45749.1	126.64	1589720	
Orange (SC)	2023 OFF - Industrial - Aerial Lifts	Aggregate	50 Diesel	0.00162729	0.001496781	0.001790733	0.008940357	0.004060288	1.229812283	0.000222958	0.000173736	3.19E-05	1.92E-05	130337.85	45749.1	216.64	3065190	
Orange (SC)	2023 OFF - Industrial - Forklifts	Aggregate	25 Gasoline	0.000197654	0.000181803	0.000217507	0.012174289	0.000164536	0.019583953	9.85E-06	7.44E-06	4.96E-07	5.26E-07	1500.15	2190	2.43	50370	
Orange (SC)	2023 OFF - Industrial - Forklifts	Aggregate	25 Nat Gas	0	0	0	2.46E-05	0.001687757	0.000108548	0.020267731	0	0	0	0	1412.55	1441.75	1.15	33160.25
Orange (SC)	2023 OFF - Industrial - Forklifts	Aggregate	50 Gasoline	0.052121082	0.048022776	0.057459642	6.13579684	0.120532929	22.13708969	0.001526111	0.001153062	0.000269147	0.000423967	1210215.9	760606	422.32	31193046	
Orange (SC)	2023 OFF - Industrial - Forklifts	Aggregate	50 Nat Gas	0	0	0.003403644	0.565451563	0.147887555	35.24131574	0	0	0	0	0	187731.45	140623.16	780.55	57654758
Orange (SC)	2023 OFF - Industrial - Forklifts	Aggregate	100 Gasoline	0.110225577	0.101385845	0.121295521	10.43050457	0.544426713	131.144262	0.009143605	0.006908567	0.001267037	0.001900948	559754.15	268916.6	1482.01	1.87E+08	
Orange (SC)	2023 OFF - Industrial - Forklifts	Aggregate	100 Nat Gas	0	0	0.020190173	9.53226144	0.955894829	221.3716274	0	0	0	0	0	1174868.05	491537.05	2739.48	3.45E+08
Orange (SC)	2023 OFF - Industrial - Forklifts	Aggregate	175 Gasoline	0.005752483	0.005291114	0.006319256	0.401527761	0.010736973	0.72325798	0.000697057	0.000526827	9.66E-05	0.000117352	392550.2	97579.1	54.17	3424549	
Orange (SC)	2023 OFF - Industrial - Forklifts	Aggregate	175 Nat Gas	0	0	0.000926236	0.558443983	0.047564718	16.11802844	0	0	0	0	0	8817785.25	180612.95	100.25	26369491
Orange (SC)	2023 OFF - Other General Industrial Equipment	Aggregate	25 Gasoline	0.005510952	0.005068126	0.006068762	0.337781025	0.004431345	0.53816495	0.000237795	0.000208597	1.57E-05	1.49E-05	42442.2	76803.3	197.93	811234.4	
Orange (SC)	2023 OFF - Other General Industrial Equipment	Aggregate	25 Diesel	0.000885553	0.001065782	0.001289596	0.005074405	0.008434325	1.105787213	0.000314985	0.000289784	1.48E-05	9.25E-06	36784.7	70121.8	49.17	1263440	
Orange (SC)	2023 OFF - Industrial - Other General Industrial Equipment	Aggregate	50 Gasoline	0.001622347	0.001492234	0.001785293	0.155188669	0.003582645	1.106654292	7.63E-05	5.76E-05	1.34E-05	1.80E-05	51311.7	28867.85	40.44	866035.5	
Orange (SC)	2023 OFF - Industrial - Other General Industrial Equipment	Aggregate	100 Gasoline	0.000501951	0.000461595	0.000552387	0.035913675	0.002661431	0.580491282	6.62E-05	4.99E-05	1.15E-05	1.55E-05	18040.3	9486.35	13.3	749421.7	
Orange (SC)	2023 OFF - Industrial - Other General Industrial Equipment	Aggregate	175 Gasoline	7.04E-05	6.48E-05	7.75E-05	0.004798803	0.000597017	0.196187594	1.41E-05	1.06E-05	1.95E-06	2.75E-06	7838.55	919.8	1.29	160045.2	
Orange (SC)	2023 OFF - Industrial - Other Material Handling Equipment	Aggregate	25 Gasoline	2.15E-05	1.98E-05	2.37E-05	0.001032222	0.00178	0.011352123	7.83E-06	5.91E-07	1.38E-07	1.84E-07	525.6	222.05	0.56	9128.65	
Orange (SC)	2023 OFF - Industrial - Other Material Handling Equipment	Aggregate	100 Gasoline	0.000563766	0.000516713	0.000618189	0.028032521	0.002548725	0.654197536	4.56E-05	3.45E-05	6.32E-06	9.28E-06	26499	9771.05	25.28	527636.7	
Orange (SC)	2023 OFF - Industrial - Sweepers/Scrubbers	Aggregate	25 Gasoline	0.00421883	0.003880448	0.004642565	0.27125686	0.003408863	0.448347907	0.002009156	0.000153818	1.18E-05	1.18E-05	33744.25	37016.9	139.19	486983.7	
Orange (SC)	2023 OFF - Industrial - Sweepers/Scrubbers	Aggregate	25 Diesel	0.000178349	0.000215225	0.000259683	0.001004848	0.001685552	0.222482924	6.46E-05	5.95E-05	1.32E-06	1.88E-06	7482.5	10409.8	9.86	102981	
Orange (SC)	2023 OFF - Industrial - Sweepers/Scrubbers	Aggregate	50 Gasoline	0.004502353	0.004141264	0.004954564	0.388149884	0.00973226	3.7551042	0.000246464	0.000186218	4.35E-05	5.57E-05	158097.65	60812.65	117.77	2128443	
Orange (SC)	2023 OFF - Industrial - Sweepers/Scrubbers	Aggregate	100 Gasoline	0.002627962	0.0024172	0.002891912	0.165816505	0.005657257	2.344945443	0.000399813	0.000302081	5.54E-05	7.98E-05	227157.75	56778.8	98.34	3452858	
Orange (SC)	2023 OFF - Industrial - Sweepers/Scrubbers	Aggregate	175 Gasoline	2.03E-05	1.87E-05	2.24E-05	0.002213837	0.000156919	0.066756337	4.79E-06	3.62E-06	6.63E-07	9.32E-07	2660.85	295.65	0.58	41391	
Orange (SC)	2023 OFF - Light Commercial - Air Compressors	Aggregate	25 Gasoline	0.048573568	0.044700124	0.053450643	1.116557737	0.028785697	4.854689	0.009042028	0.007188955	1.79E-04	1.68E-04	158447.5	55747.5	1153.21	1439928	
Orange (SC)	2023 OFF - Light Commercial - Air Compressors	Aggregate	25 Diesel	0.0002141	0.000254797	0.000308305	0.001123588	0.001893806	0.241345866	8.01E-05	7.37E-05	3.23E-06	2.03E-06	8077.45	14764.25	18.18	294949.2	
Orange (SC)	2023 OFF - Light Commercial - Air Compressors	Aggregate	50 Gasoline	0.002415565	0.002221837	0.002658182	0.178374746	0.003211439	1.070074592	7.38E-05	5.58E-05	1.30E-05	1.80E-05	51493.55	23093.55	47.8	808274.3	
Orange (SC)	2023 OFF - Light Commercial - Air Compressors	Aggregate	50 Diesel	0.002479019	0.002950238	0.003569787	0.023422766	0.021893333	2.274961227	0.000738745	0.000679685	1.52E-05	2.29E-05	91104	89235.2	109.62	1301702	
Orange (SC)	2023 OFF - Light Commercial - Air Compressors	Aggregate	100 Gasoline	0.007679552	0.007063652	0.008450879	0.138904529	0.019148747	6.867555518	0.000478822	0.000361777	6.64E-05	9.85E-05	281093.8	74905.3	154.96	5243371	
Orange (SC)	2023 OFF - Light Commercial - Air Compressors	Aggregate	175 Gasoline	0.000702069	0.000646188	0.000773272	0.013317252	0.002656141	0.680401195	6.17E-06	4.66E-05	5.84E-06	8.63E-06	24695.05	5044.3	10.41	675936.2	
Orange (SC)	2023 OFF - Light Commercial - Gas Compressors	Aggregate	50 Nat Gas	0	0	0.000159193	0.028204836	0.005780805	1.9211879	0	0	0	0	0	10207.55	29860.65	3.51	955540.8
Orange (SC)	2023 OFF - Light Commercial - Gas Compressors	Aggregate	100 Nat Gas	0	0	0.000886112	0.451003971	0.034205195	10.7960887	0	0	0	0	0	59737.25	51769.9	7.27	5430207
Orange (SC)	2023 OFF - Light Commercial - Gas Compressors	Aggregate	175 Nat Gas	0	0	0.000242106	0.09175828	0.009151202	2.8097168	0	0	0	0	0	15341.8	9953.55	1.17	1453218
Orange (SC)	2023 OFF - Light Commercial - Gas Compressors	Aggregate	300 Nat Gas	0	0	0.000186269	0.105594487	0.008058215	2.8357754	0	0	0	0	0	158888.15	7664.1	0.93	1672503
Orange (SC)	2023 OFF - Light Commercial - Gas Compressors	Aggregate	600 Nat Gas	0	0	0.000292329	0.146809267	0.012473144	4.0782164	0	0	0	0	0	223768.9	6967.85	0.82	2355133
Orange (SC)	2023 OFF - Light Commercial - Generator Sets	Aggregate	25 Gasoline	0.354423587	0.325998815	0.390021537	19.18764602	0.25064107	32.92255118	0.021747563	0.016431492	0.000901816	0.000855411	2441773.35	3480362.6	30290.77	37331379	
Orange (SC)	2023 OFF - Light Commercial - Generator Sets	Aggregate	25 Diesel	0.005163276	0.006144726	0.007455118	0.018244165	0.049205471	5.353261953	0.001504117	0.001384237	6.87E-05	5.33E-05	211685.4	348147.95	1031.34	5006183	
Orange (SC)	2023 OFF - Light Commercial - Generator Sets	Aggregate	50 Gasoline	0.012281619	0.011266633	0.013515172	0.78963791	0.025471385	8.296531705	0.000640895	0.000484231	0.000113929	0.000143902	400492.6	180602	1572.39	5779264	
Orange (SC)	2023 OFF - Light Commercial - Generator Sets	Aggregate	50 Diesel	0.004683446	0.005576688	0.006744163	0.050496315	0.045897197	7.527871572	0.001615487	0.001486257	9.73E-05	6.31E-05	250905.75	176916.1	532.05	5927345	
Orange (SC)	2023 OFF - Light Commercial - Generator Sets	Aggregate	100 Gasoline	0.00270804	0.002490855	0.002980033	0.10833435	0.015459896	6.604667209	0.000321048	0.00024257	4.45E-05	6.34E-05	181025.4	34868.45	303.7	2894081	
Orange (SC)	2023 OFF - Light Commercial - Generator Sets	Aggregate	100 Nat Gas	0	0	1.30E-05	0.009363984	0.000980551	0.259854958	0	0	0	0	0	16235.2	2587.85	22.61	214791.6
Orange (SC)	2023 OFF - Light Commercial - Generator Sets	Aggregate	175 Gasoline	0.000269823	0.000248183	0.000296924	0.012731576	0.002636231	0.744410786	5.34E-05	4.03E-05	7.39E-06	1.04E-05	29597.85	3292.3	28.71	480075.8
Orange (SC)	2023 OFF - Light Commercial - Generator Sets	Aggregate	175 Nat Gas	0	0	1.45E-05	0.011226112	0.001349537	0.431565485	0	0	0	0	0	2348D.45	2157.15	18.73	314961.9
Orange (SC)	2023 OFF - Light Commercial - Pressure Washers	Aggregate	25 Gasoline	0.038005513	0.034957474	0.043422752	1.197268021	0.022641455	3.277081193	0.003816647	0.002898644	8.31E-05	6.79E-05	139350.05	36328.3	3162.15	2515606	
Orange (SC)	2023 OFF - Light Commercial - Pressure Washers	Aggregate	25 Diesel	2.81E-05	3.34E-05	4.04E-05	0.000203926	0.000275969	0.035918243	1.17E-05	1.08E-05	5.33E-07	3.03E-07	1193.55	4945.75	34.05	69923.05	
Orange (SC)	2023 OFF - Light Commercial - Pressure Washers	Aggregate	50 Gasoline	0.000110102	0.000100148	0.000121141	0.007403123	0.000183578	0.026428869	6.49E-06	4.98E-06	1.14E-06	9.41E-07	4161.35	1613.1	14.08	66785.7	
Orange (SC)	2023 OFF - Light Commercial - Pressure Washers	Aggregate	50 Diesel	1.59E-05	1.89E-05	2.29E-05	0.00002708	0.00002442	0.036171496	6.33E-06	5.82E-06	4.68E-07	3.03E-07	1204.5	1835.95	12.77	69766.1	
Orange (SC)	2023 OFF - Light Commercial - Pumps	Aggregate	25 Gasoline	0.120483785	0.110820985	0.132580956	4.058715553	0.081762005	7.859766184	0.047609279	0.035966662	0.000233558	0.000192695	550947.7	154261.1	6989.61	8559516	
Orange (SC)	2023 OFF - Light Commercial - Pumps	Aggregate	25 Diesel	0.002831816	0.003370098	0.004077816	0.016077358	0.025235322	3.264131823	0.001092328	0.001005122	4.67E-05	2.76E-05	108751.75	218851.85	581.01	2569991	
Orange (SC)	2023 OFF - Light Commercial - Pumps	Aggregate	50 Gasoline	0.001893279	0.001741438	0.002083438	0.149243775	0.002944142	1.403525735	9.68E-05	7.31E-05	1.71E-05	2.16E-05	61725.15	27747.3	125.67	860166.3	
Orange (SC)	2023 OFF - Light Commercial - Pumps	Aggregate	50 Diesel	0.003011466	0.003583893	0.004336511	0.029385143	0.052681825	4.805054411	0.001604117	0.001502937	5.70E-05	3.76E-05	147014.7	93768.1	342.45	3465435	
Orange (SC)	2023 OFF - Light Commercial - Pumps	Aggregate	100 Gasoline	0.003032117	0.002788941	0.00333666	0.142840699	0.008198116	2.776419916	0.000367914	0.000277598	5.10E-05	7.31E-05	208561	35156.8	159.27	3265582	
Orange (SC)	2023 OFF - Light Commercial - Pumps	Aggregate	100 Diesel	0.000150718	0.000179183	0.000217436	0.007837736	0.004049778	0.729961105	0.000275127	0.000163487	1.72E-05	1.38E-05	7241.1	5054.85	4.79	151884.4
Orange (SC)	2023 OFF - Light Commercial - Welders	Aggregate	25 Gasoline	0.117564676	0.108135989	0.129372755	4.879443418	0.084390955	7.985263149	0.060246485	0.045519566	0.000206225	0.000231936	610681.5	768963.75	3701.57	12072627	
Orange (SC)	2023 OFF - Light Commercial - Welders	Aggregate	25 Diesel	0.002507631	0.002984288	0.003610988	0.014278825	0.022264719	2.869404015	0.000955307	0.000878824	3.96E-05	2.40E-05	95524.15	244232.45	580.26	3715616	
Orange (SC)	2023 OFF - Light Commercial - Welders	Aggregate	50 Gasoline	0.004549944	0.004188393	0.005066153	0.29464487	0.007125829	2.811177221	0.001914141	0.001466684	1.42E-05	4.37E-05	124798.7	51873.8	259.71	2134321	
Orange (SC)	2023 OFF - Light Commercial - Welders	Aggregate	50 Diesel	0.010547073	0.012551889	0.015187786	0.107079614	0.085170961	12.49995989	0.003269434	0.003078979	0.000161593	0.000105189	418133.05	351845.4	547.87	16184888	
Orange (SC)	2023 OFF - Light Commercial - Welders	Aggregate	100 Gasoline	0.003427536	0.003153647	0.003771794	0.132683895	0.009940294	4.426804781	0.000308229	0.000232884	4.62E-05	6.13E-05	175634.35	52939.6	254.85	3705772	
Orange (SC)	2023 OFF - Light Commercial - Welders	Aggregate	175 Gasoline	0.000295665	0.000271939	0.000325345	0.011605945	0.001384318	0.550423158	3.95E-05	2.98E-05	5.47E-06	7.68E-06	21936.5	3646.35	17.57	474025.5
Orange (SC)	2023 OFF - Military - A/C unit	Aggregate	300 Diesel	4.78E-05	5.63E-05	6.81E-05	0.000836173	0.000628937	0.142959557	2.96E-05	2.73E-05	1.68E-06	1.03E-06	4798.65	1372.4	4.55	138612.4
Orange (SC)	2023 OFF - Military - A/C unit	Aggregate	300 Diesel	2.43E-05	2.89E-05	3.50E-05	0.000216882	0.000296055	0.122909782	6.72E-06	8.02E-06	1.38E-06	1.02E-06	4062.45	573.05	1.91	19194.4
Orange (SC)	2023 OFF - Military - A/C unit	Aggregate	600 Diesel	1.40E-05	1.67E-05	2.02E-05	0.000127479	0.000161444	0.073589206	5.67E-06	4.67E-06	7.22E-07	6.09E-07	2419.95	226.1	0.75	7128.4
Orange (SC)	2023 OFF - Military - Aircraft Support	Aggregate	100 Diesel	8.66E-04	1.03E-03	1.25E-03	0.00015384	0.000115111	0.026165054	5.43E-06	4.99E-06	1.07E-07	2.19E-07	872.35	368.65	1.25	25068.2
Orange (SC)	2023 OFF - Military - Aircraft Support	Aggregate	175 Diesel	1.93E-05	2.30E-05	2.78E-05	0.000319752	0.00022556	0.079596029	9.78E-06	9.00E-06	8.66E-07	6.43E-07	2555	532.9	1.78	74606
Orange (SC)	2023 OFF - Military - Cart	Aggregate	100 Diesel	4.42E-05	5.26E-05	6.36E-05	7.81E-05	5.88E-05	0.013357369	2.77E-06	2.55E-06	7.07E-07	1.12E-07	445.3	160.6	0.52	13008.6
Orange (SC)	2023 OFF - Military - Cart	Aggregate	175 Diesel	1.58E-06	1.88E-06	2.28E-06	3.23E-05	1.85E-05	0.006307646	8.02E-07	7.38E-07	7.10E-08	5.05E-08	200.75	51.1	0.16	7818.3
Orange (SC)	2023 OFF - Military - Cart	Aggregate	300 Diesel	5.35E-06	6.38E-06	7.70E-06	4.78E-04	6.52E-05	0.027072038	1.92E-06	1.77E-06	3.05E-07	2.22E-07	886.95	124.1	0.44	24447.7
Orange (SC)	2023 OFF - Military - Communications	Aggregate	50 Diesel	1.31E-06	1.56E-06	1.88E-06	1.44E-05	1.44E-05	0.002198744	4.80E-07	4.42E-07	2.84E-08	1.47E-08	58.4	58.4	0.16	2336
Orange (SC)	2023 OFF - Military - Communications	Aggregate	100 Diesel	2.18E-06	2.60E-06	3.14E-06	1.86E-05	2.90E-05	0.006596231	1.37E-06	1.26E-06	7.74E-08	5.42E-08	215.35	62.05	0.24	4964
Orange (SC)	2023 OFF - Military - Compressor (Military)	Aggregate	50 Diesel	1.61E-06	1.91E-06	2.31E-06	1.77E-05	1.77E-05	0.002693461	5.88E-07	5.41E-07	3.48E-08	1.79E-08	69.35	58.4	0.16	2861.6
Orange (SC)	2023 OFF - Military - Compressor (Military)	Aggregate	100 Diesel	4.87E-05	5.80E-05	7.02E-05	0.000861733	0.000648163	0.147329573	3.06E-05	2.81E-05	1.73E-06	1.23E-06	4891	2018.45	6.7	143310
Orange (SC)	2023 OFF - Military - Compressor (Military)	Aggregate	175 Diesel	2.31E-05	2.74E-05	3.32E-05	4.70E-05	2.69E-05	0.009729755	1.17E-06	1.07E-06	1.03E-07	7.53E-08	299.3	58.4	0.16	9752.8
Orange (SC)	2023 OFF - Military - Compressor (Military)	Aggregate	300 Diesel	4.84E-06	5.76E-06	6.97E-06	4.33E-05	5.91E-05	0.024515994	1.74E-06	1.60E-06	2.76E-07	2.04E-07	810.3	102.2	0.34	22760.6
Orange (SC)	2023 OFF - Military - Compressor (Military)	Aggregate	600 Diesel	2.74E-06	3.26E-06	3.95E-06	0.000248816	0.000320711	0.141522998	9.89E-06	9.09E-06	1.41E-06	1.03E-06	4734.05	368.65	1.25	137506.5
Orange (SC)	2023 OFF - Military - Crane	Aggregate	100 Diesel	3.60E-06	4.28E-06	5.18E-06	0.000129508	6.19E-05	0.02308681	8.15E-07	7.49E-07	2.71E-07	1.93E-07	766.5	211.7	0.7	22228.5
Orange (SC)	2023 OFF - Military - Crane	Aggregate	175 Diesel	6.89E-07	8.20E-07	9.92E-07	2.89E-05	5.32E-06	0.005812929	1.61E-07	1.48E-07	6.54E-08	4.87E-08	191.45	32.85	0.09	4631.85
Orange (SC)	2023 OFF - Military - Crane	Aggregate	300 Diesel	8.57E-07	7.82E-07	9.46E-07	9.95E-06	4.11E-06	0.001681639	1.25E-07	1.15E-07	6.62E-08	4.87E-08	193.45	32.85	0.09	7029.9
Orange (SC)	2023 OFF - Military - Deicer	Aggregate	100 Diesel	2.00E-06	2.38E-06	2.88E-06	3.54E-05	2.66E-05	0.006960545	1.25E-06	1.15E-06	7.09E-08	4.77E-08	189.8	58.4	0.16	6424
Orange (SC)	2023 OFF - Military - Generator (Military)	Aggregate	50 Diesel	8.39E-06	9.98E-06	1.21E-05	9.25E-05	9.21E-05	0.014499444	3.08E-06	2.83E-06	1.82E-07	1.18E-07	470.85	3577	1.19	13592.6
Orange (SC)	2023 OFF - Military - Generator (Military)	Aggregate	100 Diesel	0.000253606	0.000301812	0.000365193	0.004483165	0.003372067	0.764482079	0.000158839	0.000146223	8.99E-06	6.41E-06	25473.35	8960.75	29.85	743742.3
Orange (SC)	2023 OFF - Military - Generator (Military)	Aggregate	175 Diesel	0.000274419	0.000326581	0.000395163	0.005917783	0.003329129	0.828718372	0.000188696	0.000173784	1.22E-05	8.52E-06	3029.1	7223.35	24.03	1063832
Orange (SC)	2023 OFF - Military - Generator (Military)	Aggregate	300 Diesel	8.66E-05	0.000103016	0.000124665	0.000771272	0.001055557	0.438223363	3.11E-05	2.86E-05	4.93E-06	3.64E-06	1445.4	1908.95	6.34	425695.9
Orange (SC)	2023 OFF - Military - Generator (Military)	Aggregate	600 Diesel	5.30E-05	6.30E-05	7.63E-05	0.000480493	0.000653804	0.277371521	1.91E-05	1.76E-05	2.72E-06	2.30E-06	9146.9	777.45	2.57	270552.6
Orange (SC)	2023 OFF - Military - Generator (Military)	Aggregate	750 Diesel	2.83E-05	3.37E-05	4.07E-05	2.54E-04	3.34E-05	0.014947719	1.02E-06	9.43E-07	1.48E-07	1.21E-07	481.8	0.07	0.07	0
Orange (SC)	2023 OFF - Military - Hydraulic unit	Aggregate	100 Diesel	2.89E-05	3.44E-05	4.17E-05	0.000511606	0.000384811	0.087668777	1.81E-05	1.67E-05	1.03E-06	7.29E-07	2898.1	886.95	2.97	84260.25
Orange (SC)	2023 OFF - Military - Lift (Military)	Aggregate	100 Diesel	8.64E-07	1.03E-06	1.24E-06	1.53E-05	1.15E-05	0.002601009	5.41E-07	4.98E-07	3.06E-08	1.56E-08	62.05	0	0.07	0
Orange (SC)	2023 OFF - Military - Light	Aggregate	50 Diesel	2.04E-06	2.43E-06	2.94E-06	2.25E-05	2.24E-05	0.003435537	7.50E-07	6.90E-07	4.44E-08	2.94E-08	116.8	58.4	0.17	2920
Orange (SC)	2023 OFF - Military - Other tactical support equipment	Aggregate	50 Diesel	4.06E-07	4.88E-07	5.88E-07	4.51E-06	4.49E-06	0.000687107	1.50E-07	1.38E-07	8.88E-09	0	0	0	0	0
Orange (SC)	2023 OFF - Military - Other tactical support equipment	Aggregate	100 Diesel	5.75E-06	6.84E-06	8.28E-06	0.000101598	7.64E-05	0.017370077	3.60E-06	3.31E-06	2.04E-07	1.45E-07	576.7	211.7	0.7	16724.3
Orange (SC)	2023 OFF - Military - Other tactical support equipment	Aggregate	175 Diesel	8.17E-06	9.72E-06	1.18E-05	0.000166501	9.54E-05	0.032541407	4.14E-06	3.80E-06	3.66E-07	2.72E-07

OFFROAD 2024

	Equipment Type	Horsepower HP	Gasoline				Diesel				Natural Gas			
			Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	169276.05	1158.91	560242.15	0.30214809	8135.85	18.24	1484.03	0.548204824	0	0	0	0
Air Compressors50	Air Compressors	50	91892.05	48.03	23210.35	2.235728888	91498.2	110.17	89662.25	1.020476287	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	282542.85	155.71	75266.65	3.753891664	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	34660.4	10.48	5058.9	6.851370851	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	34583.79	106.57	39993.05	0.864749399	29265.7	159.55	6373.85	0.459259864	53782.75	121.29	4553.15	1.181541176
Aerial Lifts50	Aerial Lifts	50	72901.45	127.24	45979.05	1.585536239	122330.565	483.3519432	149623.2698	0.817590392	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	93616.84123	271.0402435	84674.46352	1.113737692	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	110994.85	127.24	45979.05	2.849031689	119815.5255	312.5022002	96780.70397	1.238010477	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	13045.35039	20.30123782	6274.527412	2.079063769	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	7756.912398	9.684113787	2124601994	3.650242855	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	553.6014556	0.228103796	70.89673314	7.808560865	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	4394.67	27.07	3350.7	1.311546641	3617.15	6.72	5453.1	0.663318944	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	689.85	2.5	266.45	2.589041098	2989.470365	7.179406083	2614.484433	1.14342634	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	3676.284468	4.005152868	1982.58594	1.854287679	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	7876.7	11.48	1224.4	6.422010048	15089.15616	17.91072886	6976.491392	2.151390339	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	2748.45	2.85	306.6	8.964285714	21890.54793	17.30014773	5603.021692	3.906918289	0	0	0	0
Bore/Drill rigs300	Bore/Drill rigs	300	0	0	0	0	31884.22339	17.83515611	5805.415984	5.493196446	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	4911.31203	14.13208408	4775.354758	10.28863478	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	31793.34048	3.174053218	1902.84805	16.70860712	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	16328.66618	0.453436174	338.2859846	48.26825186	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	144324.65	4081.37	375807.65	0.384038657	927.45	91.49	28072.15	0.330186169	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	129598.9	574.48	163253.55	0.793838179	102.95	0.67	397.85	0.76140789	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	15771.65	9.19	5701.3	2.766325229	4703.2	5.88	3420.05	1.374599787	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	15388.4	5.35	3266.75	4.710614525	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	57.75554616	0.284739189	139.5142938	0.413975854	0	0	0	0
Cranes50	Cranes	50	2295.87	2.85	1193.55	1.923547401	935.7444377	3.037218017	1357.103667	0.689508449	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	359.0845153	0.949310363	356.8835561	1.006172796	0	0	0	0
Cranes100	Cranes	100	7825.6	5.7	2361.55	3.313775796	22527.27172	37.39574684	17096.48701	1.317509492	0	0	0	0
Cranes175	Cranes	175	503.7	0.21	91.25	5.52	63388.87899	61.76840404	28778.0947	2.202678101	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	110052.0183	69.76110133	33651.22474	3.270371856	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	19723.5923	5.881988421	3602.672398	5.460753457	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	3385.94245	0.854217567	356.5488513	9.496413491	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	10766.58719	1.518609699	769.657553	13.99281682	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	3026.63667	8.423791643	2940.641909	1.029243466	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	742.9366151	2.10594791	470.2300999	1.579748707	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	13166.6775	142.6147925	68473.56924	1.944751515	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	14616.867	95.10460756	44305.19931	3.152903718	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	152211.9696	72.80579769	33499.95084	4.543647548	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	53630?.4457	129.8106292	62804.00455	8.539182883	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	5307.37696	0.926617308	385.8186755	13.75548318	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	31064.46712	2.527137492	1431.246944	21.70456868	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	1930.85	6.82	1971	0.979622963	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	6066.1	3.31	799.35	7.589041096	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	13804.9	270	42058.8	0.340352772	927.1	4.03	2668.15	0.347469102	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	649.7	2.06	266.45	2.438356164	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	6512.836317	6.388812722	8718.162898	0.747042283	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	121316.7654	206.0359287	154175.8118	0.786873882	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	2276.082317	2.701003546	1577.709077	1.442653992	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	154945.2007	145.7887851	96755.81265	1.601405088	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	332131.2985	190.1675389	115057.7624	2.886648337	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	42171.8462	103.8327465	97985.45403	4.321126916	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	751269.2175	171.8513506	112714.727	6.665226784	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	9386.701883	1.392503779	769.8675366	12.19282574	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	20927.35561	1.206095412	879.143725	23.80424861	0	0	0	0
Forklifts25	Forklifts	25	1500.15	2.44	2197.2	0.682726251	35.67569802	0.195572715	61.03495945	0.578259496	1427.15	1.16	1452	0.982412189
Forklifts50	Forklifts	50	1218705.8	425.25	765040	1.592996183	85861.34972	235.0371532	171054.9583	0.501659527	1895134.75	787.97	1419561.65	1.335014695
Forklifts75	Forklifts	75	0	0	0	0	5630.076285	16.82963197	7310.210702	0.769804727	0	0	0	0
Forklifts100	Forklifts	100	5660898.15	1505.49	2689787.2	2.104589596	126037.9	1053.474132	128954.178	0.977393876	118601.6	2765.5	4982217.15	2.380499213
Forklifts175	Forklifts	175	3966422.85	55.03	98298.15	4.032861758	370543.4955	354.9777478	235221.298	1.575297385	890147.4	101.2	182318.45	4.882109183
Forklifts300	Forklifts	300	0	0	0	0	72794.08012	44.79913093	32283.33238	2.254552051	0	0	0	0
Forklifts600	Forklifts	600	0	0	0	0	18737.77902	6.980664219	4831.49439	3.878257431	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	280.3904549	0.097778658	21.59122581	12.98535374	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	1985.283195	0.185182764	149.3000598	9.144522179	0	0	0	0
Generator Sets25	Generator Sets	25	24520860.95	10440.29	1497532.2	0.701088889	2127074	1036.41	349885.35	0.607934571	0	0	0	0
Generator Sets50	Generator Sets	50	4023964.25	1580.19	181495.25	2.217004017	252103.8	534.72	180496.35	1.396719461	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	1817892.2	305.17	85040	5.188333333	0	0	0	0	16341.05	22.87	2602.45	6.279102389
Generator Sets175	Generator Sets	175	297515.35	28.83	3306.9	8.996688742	0	0	0	0	23597.25	18.84	2164.45	10.90219222
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	23.2973992	0.169640384	39.64343858	0.587673523	0	0	0	0
Graders50	Graders	50	0	0	0	0	779.5159047	2.459785568	886.823723	0.879081644	0	0	0	0
Graders75	Graders	75	0	0	0	0	289.7986691	0.508921152	188.7027676	1.53574144	0	0	0	0
Graders100	Graders	100	0	0	0	0	19585.38512	25.95497873	10318.98884	1.898045073	0	0	0	0
Graders175	Graders	175	0	0	0	0	203021.2911	132.4891398	63607.69838	3.160329504	0	0	0	0
Graders300	Graders	300	0	0	0	0	414874.7519	118.3241678	91500.72326	4.534119454	0	0	0	0
Graders600	Graders	600	0	0	0	0	31284.25025	5.089215517	4181.293728	6.023552336	0	0	0	0
Graders750	Graders	750	0	0	0	0	0	0	0	0	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	14512.97479	0.508921152	379.4868158	38.24366818	0	0	0	0
Pavers25	Pavers	25	11822.35	26.55	10508.35	1.125043418	1755.65	2.52	2076.85	0.845342705	0	0	0	0
Pavers50	Pavers	50	7394.15	8.07	3168.2	2.334101382	3121.764757	9.884467498	3587.011136	0.926810939	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	3848.827632	7.083882709	2524.545923	1.524562194	0	0	0	0
Pavers100	Pavers	100	6628.4	4.43	1748.35	3.791231733	28181.32962	40.60876947	16302.04117	1.728659945	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	43916.73698	32.7835502	12931.19345	3.3952078	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	34276.52815	15.73280927	7231.673935	4.73977788	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	6308.542219	1.729785312	778.0567775	8.108674377	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	1285.612926	0.164741458	79.78835568	16.11278884	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment25	Paving Equipment	25	250765.05	2901.04	548919.85	0.456835279	2084.15	4.36	1624.45	0.575025176	0	0	0	0
Paving Equipment50	Paving Equipment	50	8621.3	22.1	3854.4	2.236742424	4141.75443	12.17726331	5865.246982	0.706048342	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	509.9895272	1.153135098	419.2565322	1.216994338	0	0	0	0
Paving Equipment100	Paving Equipment	100	3589.7	5.71	992.8	3.595588235	17443.08642	22.45104612	10665.22105	1.635511007	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	18538.88987	14.80288759	6540.609527	2.673075181	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	12577.45205	6.167886913	2962.988478	4.244853512	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	13942.01202	1.947416868	1885.85015	7.39347119	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	2054.608945	0.328953057	170.851059	12.03743495	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	1214.557347	0.164476528	78.41085128	15.4886559	0	0	0	0
Rollers25	Rollers	25	58425.55	313.95	78186.65	0.747257386	38317.42288	144.0947285	100197.7008	0.382413185	0	0	0	0
Rollers50	Rollers	50	9638.7	5.7	3544.15	2.716786818	68225.98301	249.8643106	88485.9069	0.771037845	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	713.5495428	2.202946568	518.7675682	1.375478699	0	0	0	0
Rollers100	Rollers	100	30090.6	10.69	6657.6	4.519736842	105918.6611	184.1997326	62519.11598	1.694180428	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	110246.3414	107.7746383	39538.10791	2.788150517	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	18634.36509	13.98020049	4419.424476	4.216468715	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	10297.45347	4.829529807	1501.059899	6.860219625	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	0	0	0	0	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	35.67569807	0.195557215	61.69495947	0.578259494	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	1554.9	1.35	470.85	1.30323581	3288.97235	10.56008962	2985.464788	1.101661745	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	241.4152243	0.880007489	195.5958715	1.234215479	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	34028.95	16.18	6690.45	5.086197491	274051.4748	474.2262469	136696.4916	2.004817533	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	1916.25	0.6	237.25	8.076923077	57103.55302	76.46287115	21699.71674	2.631510449	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	4524.136136	6.009329512	1027.563825	4.402778071	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	1490.300898	0.684560253	179.3723822	8.308417831	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	280.3545649	0.097778658	21.59122581	12.98535374	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	2911.391032	3.143834872	3127.125266	0.931043397	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	3867.001854	3.385668334	2629.422558	1.470653809	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	8926.879498	5.884613991	5166.067454	1.727863536	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	13591.36841	5.804002841	4666.104173	2.91278718	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	15941.64519	4.917280184	3442.757699	4.630487165	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	150508.4864	26.60167989	19841.51562	7.585432954	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	5641.866169	0.403055753	414.4382862	13.61352619	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Scrapers25	Scrapers	25	0	0	0	0	24.23760856	0.08307545	34.94517954	0.693581041	0	0	0	0
Scrapers50	Scrapers	50	0	0	0	0	192.9127119	0.498452698	182.5885631	1.056543216	0	0	0	0
Scrapers75	Scrapers	75	0	0	0	0	1698.572637	2.15996169	964.6810952	1.665592475	0	0	0	0
Scrapers100	Scrapers	100	0	0	0	0	813.4569218	6.064507829	3577.609826	2.273952225	0	0	0	0
Scrapers175	Scrapers	175	0	0	0	0	100422.2124	51.83908057	23940.06887	4.194737823	0	0	0	0
Scrapers300	Scrapers	300	0	0	0	0	124741.0231	54.58570743	22570.83023	5.529854692	0	0	0	0
Scrapers600	Scrapers	600	0	0	0	0	1514105.569	291.8440545	143421.3264	10.55704616	0	0	0	0
Scrapers750	Scrapers	750	0	0	0	0	20234.23118	3.738395233	1298.572396	15.58093453	0	0	0	0
Scrapers9999	Scrapers	9999	0	0	0	0	34935.88569	2.159861978	876.9298866	39.83893938	0	0	0	0
Skid Steer Loaders25	Skid Steer Loaders	25	191340.3	548.25	175043.05	1.093104239	168849	322.25	269005	0.627679783	0	0	0	0
Skid Steer Loaders50	Skid Steer Loaders	50	45975.4	77.64	24090	1.908484484	51639.79918	179.0053953	55712.5646	0.926890824	0	0	0	0
Skid Steer Loaders75	Skid Steer Loaders	75	0	0	0	0	2731?1.2748	554.7783838	202792.1158	1.346902833	0	0	0	0
Skid Steer Loaders100	Skid Steer Loaders	100	61487.2	46.44	14413.85	4.265880097	1245.736444	3.516860765	864.2105212	1.440131177	0	0	0	0
Skid Steer Loaders175	Skid Steer Loaders	175	0	0	0	0	1853.749365	2.315862943	639.8144476	2.897323892	0	0	0	0
Skid Steer Loaders300	Skid Steer Loaders	300	0	0	0	0	1721.867521	1.458135923	439.8724326	3.914015505	0	0	0	0
Skid Steer Loaders600	Skid Steer Loaders	600	0	0	0	0	497.3458659	0.171545403	55.12185472	9.022661336	0	0	0	0
Skid Steer Loaders750	Skid Steer Loaders	750	0	0	0	0	0	0	0	0	0	0	0	0
Skid Steer Loaders9999	Skid Steer Loaders	9999	0	0	0	0	673.2262119	0.171545403	35.27798058	19.08346307	0	0	0	0
Surfacing Equipment25	Surfacing Equipment	25	122431.95	783.1	335051.75	0.365412059	0	0	0	0	0	0	0	0
Surfacing Equipment50	Surfacing Equipment	50	0	0	0	0	478.3195021	0.834729284	757.0185136	0.631850477	0	0	0	0
Surfacing Equipment75	Surfacing Equipment	75	0	0	0	0	228.8573465	0.933762855	227.8497138	1.004221357	0	0	0	0
Surfacing Equipment100	Surfacing Equipment	100	0	0	0	0	3010.205749	7.547916138	2158.025021	1.39005975	0	0	0	0
Surfacing Equipment175	Surfacing Equipment	175	0	0	0	0	2644.273899	4.513187114	1138.432276	2.167059865	0	0	0	0
Surfacing Equipment300	Surfacing Equipment	300	0	0	0	0	4833.820158	5.446949965	1367.916578	3.533709757	0	0	0	0
Surfacing Equipment600	Surfacing Equipment	600	0	0	0	0	17032.69487	9.337628511	2673.279044	6.371416169	0	0	0	0
Surfacing Equipment750	Surfacing Equipment	750	0	0	0	0	7289.459999	2.256593557	727.2824666	10.02287316	0	0

Orange (SC)	2024 Agricultural - Bale Wagons (Self Propelled)	Aggregate	175 Diesel	1.499454E-05	1.814346E-05	2.159210E-05	0.00018317	0.000130305	0.004409392	8.230281E-06	7.571861E-06	4.059608E-08	3.623203E-08	1.021.606679	305.3370496	0.492260099	394/05.86
Orange (SC)	2024 Agricultural - Bale Wagons (Self Propelled)	Aggregate	300 Diesel	3.9731E-06	4.805275E-06	5.718670E-06	1.908050E-05	3.880945E-05	0.001311426	1.598454E-06	1.470966E-06	1.208TA-08	1.077558E-08	303.8424702	59.9122729	0.09711829	11598.72
Orange (SC)	2024 Agricultural - Balers (Self Propelled)	Aggregate	50 Diesel	1.783230E-05	2.157731E-05	2.567850E-05	9.1131E-05	9.845918E-05	0.003731839	5.744224E-06	5.286564E-06	1.558410E-08	1.422398E-08	401.2478834	297.5765107	0.921088452	13691.2
Orange (SC)	2024 Agricultural - Balers (Self Propelled)	Aggregate	175 Diesel	7.002736E-06	8.473310E-06	1.008389E-05	5.5892E-05	1.165868E-05	0.001324807	4.148806E-06	3.816216E-06	1.212080E-08	1.085540E-08	306.9429544	163.1178588	0.502207232	10568.83
Orange (SC)	2024 Agricultural - Balers (Self Propelled)	Aggregate	100 Diesel	1.264434E-06	1.529966E-06	1.820798E-06	1.04563E-05	1.118822E-05	0.000248733	8.436055E-07	7.761717E-07	2.277155E-09	2.043749E-09	57.62868364	24.98250986	0.077057851	1981.897
Orange (SC)	2024 Agricultural - Balers (Self Propelled)	Aggregate	175 Diesel	9.555567E-07	1.156246E-06	1.376028E-06	9.2015E-06	1.017998E-05	0.000228293	5.379463E-07	4.949808E-07	2.096171E-09	1.875738E-09	52.89282569	19.1770504	0.055258708	2033.535
Orange (SC)	2024 Agricultural - Combine Harvesters	Aggregate	75 Diesel	1.468864E-05	1.777376E-05	2.115228E-05	1.045777E-05	1.350775E-05	0.000421249	9.371910E-07	8.622160E-07	2.201355E-09	1.982244E-09	55.89446329	36.26752817	0.100400575	2161.164
Orange (SC)	2024 Agricultural - Combine Harvesters	Aggregate	100 Diesel	9.712677E-06	1.175123E-05	1.398632E-05	7.0097E-05	8.423745E-05	0.003161496	6.826822E-06	6.280676E-06	1.474022E-08	1.326198E-08	374.1764801	166.8849063	0.463212383	14200.98
Orange (SC)	2024 Agricultural - Combine Harvesters	Aggregate	175 Diesel	1.417026E-05	1.714358E-05	2.040515E-05	0.00011878	0.000146484	0.002892874	8.130126E-06	7.479716E-06	2.650003E-08	2.376296E-08	670.2464618	210.581438	0.59384515	29441.2
Orange (SC)	2024 Agricultural - Combine Harvesters	Aggregate	300 Diesel	8.977886E-05	0.000108632	0.000129282	0.000415102	0.000117686	0.026569877	4.175E-05	3.841E-05	2.446060E-07	2.183140E-07	6155.942245	1133.600595	3.0189436	262478
Orange (SC)	2024 Agricultural - Combine Harvesters	Aggregate	500 Diesel	1.564747E-05	1.893015E-05	2.253646E-05	0.000723349	0.000018803	0.008021012	7.153355E-06	6.581E-06	7.418610E-08	6.590701E-08	1858.378381	232.6195637	0.917236248	79823.12
Orange (SC)	2024 Agricultural - Construction Equipment	Aggregate	50 Diesel	0.000147568	0.000178557	0.000212497	0.000560367	0.000515281	0.007940694	4.134255E-05	3.803515E-05	6.948111E-08	6.524568E-08	1839.769643	1779.626012	4.592357485	78882.74
Orange (SC)	2024 Agricultural - Construction Equipment	Aggregate	75 Diesel	0.000103154	0.000125265	0.000149075	0.000593206	0.000878969	0.012807175	6.099955E-05	5.611596E-05	1.170288E-07	1.060053E-07	2990.447589	2023.058641	5.521262361	127511.6
Orange (SC)	2024 Agricultural - Construction Equipment	Aggregate	100 Diesel	0.000203183	0.000243431	0.000289559	0.001162792	0.001729222	0.019158997	0.000120707	0.000110317	2.843618E-07	2.563593E-07	7228.174656	3672.692214	7.611495247	308233.9
Orange (SC)	2024 Agricultural - Construction Equipment	Aggregate	175 Diesel	0.000038725	0.000046582	0.000055763	0.000302356	0.000367416	0.007304006	0.00002038	0.000018746	6.148150E-07	5.530131E-07	15593.18297	6081.813108	10.02796264	744447.3
Orange (SC)	2024 Agricultural - Construction Equipment	Aggregate	300 Diesel	0.000212944	0.000255763	0.000306564	0.001662866	0.002227573	0.018456162	0.000131909	0.000121034	1.631E-06	1.470E-06	41504.8266	8703.196475	42.52709994	494766.8
Orange (SC)	2024 Agricultural - Construction Equipment	Aggregate	600 Diesel	2.427211E-05	2.916811E-05	3.495049E-05	0.000103941	0.000226372	0.003447924	9.785231E-06	9.002416E-06	3.974002E-08	3.572522E-08	1007.365304	137.2493971	0.155532097	48448.83
Orange (SC)	2024 Agricultural - Cotton Pickers	Aggregate	100 Diesel	2.177716E-06	2.634370E-06	3.135129E-06	1.344515E-05	2.216331E-05	0.000829349	1.678832E-06	1.544522E-06	7.615886E-09	6.814449E-09	192.1508751	82.55030769	0.181258825	7429.528
Orange (SC)	2024 Agricultural - Cotton Pickers	Aggregate	175 Diesel	6.515636E-06	7.883502E-06	9.382516E-06	0.000102214	6.759866E-05	0.002599122	3.88560E-06	3.583966E-06	2.399590E-08	2.135068E-08	602.1875133	208.9948761	0.458312503	25590.41
Orange (SC)	2024 Agricultural - Cotton Pickers	Aggregate	300 Diesel	7.484399E-06	9.056116E-06	1.077795E-05	4.5116E-05	8.553160E-05	0.003344394	3.385582E-06	3.114648E-06	3.090160E-08	2.747778E-08	774.8122961	194.838241	0.22880659	33301.17
Orange (SC)	2024 Agricultural - Cotton Pickers	Aggregate	500 Diesel	1.288088E-05	1.558860E-05	1.854995E-05	0.000776955	0.000142299	0.005643725	5.845529E-06	5.377676E-06	5.430608E-08	4.828558E-08	1353.625621	179.3058859	0.390194353	58084.71
Orange (SC)	2024 Agricultural - Forage & Silage Harvesters	Aggregate	100 Diesel	6.0963E-07	7.376525E-07	8.778670E-07	4.41069E-06	5.302165E-06	0.00010175	4.294455E-07	3.95091E-07	9.287545E-10	8.360431E-10	23.57441583	11.39383151	0.0311159	911.5065
Orange (SC)	2024 Agricultural - Forage & Silage Harvesters	Aggregate	175 Diesel	5.57677E-07	6.747811E-07	8.030457E-07	4.03477E-06	4.850668E-06	9.310565E-05	2.600959E-07	2.392897E-07	1.138775E-09	1.196626E-09	33.74196218	15.92058275	0.018644505	1450.385
Orange (SC)	2024 Agricultural - Forage & Silage Harvesters	Aggregate	600 Diesel	4.992656E-06	6.041116E-06	7.189424E-06	2.92553E-05	5.883669E-05	0.001847131	2.328288E-06	2.142101E-06	1.704232E-08	1.527720E-08	427.9560168	43.59384984	0.107915838	18591.9
Orange (SC)	2024 Agricultural - Forage & Silage Harvesters	Aggregate	750 Diesel	7.752606E-06	9.378924E-06	1.116437E-05	5.9582E-05	8.417260E-05	0.002688708	3.547469E-06	3.263606E-06	1.377370E-08	1.235149E-08	345.9419095	61.94702556	0.166962128	28330.05
Orange (SC)	2024 Agricultural - Forage & Silage Harvesters	Aggregate	9999 Diesel	4.883636E-06	5.909198E-06	7.032442E-06	3.72177E-05	0.000010132	0.002998779	2.354060E-06	2.165746E-06	2.217466E-08	1.970408E-08	555.6312298	277.7161272	0.060816407	23883.59
Orange (SC)	2024 Agricultural - Forklifts	Aggregate	50 Diesel	1.246997E-05	1.508866E-05	1.795646E-05	5.4132E-05	4.9612E-05	0.00081572	3.514322E-06	3.231816E-06	7.218281E-09	6.702484E-09	188.9912284	244.733999	0.405919524	8106.327
Orange (SC)	2024 Agricultural - Forklifts	Aggregate	75 Diesel	1.042366E-05	1.261266E-05	1.50119E-05	3.2852E-05	2.362726E-05	0.000388018	2.000315E-06	5.819568E-07	1.391328E-09	1.080788E-09	30.48160581	20.11982571	0.077309832	1537.399
Orange (SC)	2024 Agricultural - Forklifts	Aggregate	100 Diesel	1.995134E-07	4.834168E-07	5.753209E-07	2.47871E-06	2.915470E-06	5.228868E-05	2.457033E-07	2.260470E-07	4.766748E-10	4.296210E-10	12.11427024	6.704608848	0.007969842	519.6072
Orange (SC)	2024 Agricultural - Hay Squeeze/Stack retriever	Aggregate	75 Diesel	6.117686E-07	7.402198E-07	8.809406E-07	2.32202E-06	4.498228E-06	0.000864664	2.413949E-07	2.347066E-07	1.402E-09	1.263E-09	35.61.0.1	8.813775589	0.015023954	546.6343
Orange (SC)	2024 Agricultural - Hay Squeeze/Stack retriever	Aggregate	100 Diesel	1.317686E-06	1.594108E-06	1.897466E-06	6.36491E-06	9.28587E-06	0.000225803	8.372690E-07	7.702787E-07	1.131446E-09	1.033739E-09	29.14860293	15.36401197	0.021088622	1190.711
Orange (SC)	2024 Agricultural - Hay Squeeze/Stack retriever	Aggregate	175 Diesel	1.742E-05	2.108606E-05	2.509048E-05	8.97947E-05	0.000153761	0.002805228	9.196699E-06	8.178306E-06	1.388050E-08	1.273330E-08	481.1242407	167.9314979	0.384849117	28052.27
Orange (SC)	2024 Agricultural - Hay Squeeze/Stack retriever	Aggregate	300 Diesel	3.775944E-05	4.568809E-05	5.437356E-05	0.000193092	0.000385681	0.005487468	1.650295E-05	1.518260E-05	4.994198E-08	4.508840E-08	1271.384849	243.0386472	0.410527794	57641.01
Orange (SC)	2024 Agricultural - Hay Squeeze/Stack retriever	Aggregate	600 Diesel	8.940288E-05	1.081778E-05	1.287845E-05	4.31383E-05	9.038066E-05	0.001400276	1.844004E-05	3.512864E-06	7.259758E-08	6.482048E-08	1827.781265	1767.93554	4.561985577	70497.48
Orange (SC)	2024 Agricultural - Nut Harvester	Aggregate	50 Diesel	2.763682E-05	3.344224E-05	3.979879E-05	0.000126133	0.000188885	0.002888975	1.081798E-05	9.946998E-06	1.597E-08	1.426E-08	412.7.0.1	1.792973E-08	0.000.0.1	1.0.1
Orange (SC)	2024 Agricultural - Nut Harvester	Aggregate	75 Diesel	1.710077E-05	2.069019E-05	2.462515E-05	0.000294687	0.000282133	0.007588752	8.73113E-06	8.032E-06	7.031946E-08	6.235188E-08	1758.228573	1048.571136	2.663778422	68532.24
Orange (SC)	2024 Agricultural - Nut Harvester	Aggregate	100 Diesel	1.353E-05	1.637E-05	1.948E-05	0.000233101	0.000223161	0.006004274	2.638E-06	2.174E-05	2.379735E-07	2.509730E-07	5941.366821	2809.397669	4.990119123	231067.5
Orange (SC)	2024 Agricultural - Nut Harvester	Aggregate	175 Diesel	0.000.0.1	0.000.0.1	0.000.0.1	0.000.0.1	0.000.0.1	0.000.0.1	0.000.0.1	0.000.0.1	2.310E-07	2.060E-07	5585.763868	1895.368628	3.854884624	214341.3
Orange (SC)	2024 Agricultural - Nut Harvester	Aggregate	300 Diesel	1.46699E-05	5.380806E-05	6.403676E-05	0.000929139	0.000445718	0.024101891	2.519888E-05	2.318206E-05	2.190E-07	1.940E-07	5585.763868	2.1606E-07	1.980904E-07	5585.763868
Orange (SC)	2024 Agricultural - Nut Harvester	Aggregate	500 Diesel	2.281168E-05	2.696E-05	3.209E-05	1.44977E-05	5.728E-05	6.177860E-05	0.001280901	0.000117848	2.926E-07	2.692E-07	7749.622.8	2.9.E-07	2.748E-07	7749.622.8
Orange (SC)	2024 Agricultural - Nut Harvester	Aggregate	600 Diesel	1.762476E-05	2.113258E-05	2.537969E-05	0.000157489	0.000190385	0.012317977	8.022495E-06	7.380969E-06	1.141210E-07	1.021210E-07	2851.937046	377.4626231	0.881762112	122675.4
Orange (SC)	2024 Agricultural - Other Harvesters	Aggregate	50 Diesel	1.252188E-05	1.515146E-05	1.803140E-05	8.50245E-05	7.564231E-05	0.001345951	1.783919E-06	3.481106E-06	1.214750E-08	1.105540E-08	311.7350257	313.5592251	0.249132902	10253.26
Orange (SC)	2024 Agricultural - Other Harvesters	Aggregate	75 Diesel	2.124242E-05	2.569674E-05	3.057735E-05	0.000144257	0.000128306	0.002283144	3.026470E-06	1.029955E-06	4.312322E-08	3.863112E-08	1089.307853	632.322416	0.451740484	42481.38
Orange (SC)	2024 Agricultural - Other Harvesters	Aggregate	100 Diesel	6.057676E-06	7.329798E-06	8.723045E-06	0.000597271	0.000432323	0.013235385	1.892046E-05	1.581.05	1.213715E-07	1.087516E-07	3066.490097	1385.243118	1.150648281	118626.6
Orange (SC)	2024 Agricultural - Other Harvesters	Aggregate	175 Diesel	4.476712E-06	5.416822E-06	6.446440E-06	0.000176215	0.000319253	0.004868664	2.413949E-06	2.210282E-05	7.946301E-08	7.119501E-08	2015.156312	884.4083695	0.998527481	88149.22
Orange (SC)	2024 Agricultural - Other Harvesters	Aggregate	300 Diesel	3.902366E-05	4.721825E-05	5.619398E-05	0.000161443	0.000398158	0.009457246	1.651631E-05	1.519485E-05	8.685275E-08	7.770765E-08	2191.137708	437.1778121	0.643927944	99406.01
Orange (SC)	2024 Agricultural - Other Harvesters	Aggregate	500 Diesel	1.438676E-05	1.740979E-05	2.071561E-05	0.000595468	0.000146824	0.003996305	6.142404E-06	5.650670E-06	3.118010E-08	2.790610E-08	786.8857148	88.25197951	0.195458171	34197.89
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	50 Diesel	1.059666E-05	1.282198E-05	1.525912E-05	4.78858E-05	4.537575E-05	0.000755929	3.087277E-06	2.840206E-06	6.717529E-09	6.211188E-09	175.1403588	166.9366183	0.318053469	7512.148
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	75 Diesel	1.999003E-06	2.418883E-06	2.878616E-06	1.38175E-05	1.822622E-05	0.000301686	1.175266E-06	1.081246E-06	2.841059E-09	2.563210E-09	72.21422178	47.65268188	0.096517702	3077.424
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	100 Diesel	1.684E-06	2.036E-06	2.424E-06	1.14977E-05	1.728E-05	6.37786E-05	0.001281901	1.520910E-06	2.394E-09	2.159E-09	297.0020308	146.3103565	0.269357566	12769.23
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	175 Diesel	2.27742E-05	2.755668E-05	3.279469E-05	0.000188134	0.000217405	0.004024272	1.246088E-05	1.146393E-05	4.029238E-08	3.617304E-08	1020.003448	381.4776907	0.772446142	48637.77
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	300 Diesel	2.554666E-05	3.09E-05	3.679E-05	0.000210952	0.000278444	0.005603372	1.914185E-05	1.761E-05	8.960481E-08	7.985521E-08	317.4293411	289.3976604	0.987.0.1	1.0.1
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	600 Diesel	0.000119989	0.000145187	0.000172745	0.000723546	0.001035311	0.023713355	5.514776E-05	5.073591E-05	2.679326E-07	2.397060E-07	6759.148307	862.6507103	1.747248237	323302.7
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	750 Diesel	2.554666E-05	3.09E-05	3.679E-05	0.000210952	0.000310544	0.004749682	1.731270E-05	1.592E-05	1.537299E-07	1.375235E-07	4.024E-09	1.661215E-09	0.000.0.1	1.0.1
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	9999 Diesel	7.271322E-06	8.798329E-06	1.047067E-05	4.78109E-05	6.500451E-05	0.001062337	4.257246E-06	3.916566E-06	9.669575E-09	8.728810E-09	246.1315444	166.5618237	0.298822947	10051.46
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	100 Diesel	1.619790E-05	1.959946E-05	2.331249E-05	0.000109739	0.000122727	0.002435321	1.044354E-05	9.600586E-06	2.218080E-08	2.001010E-08	564.2366266	263.0945099	0.462548209	21214.53
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	175 Diesel	2.798346E-05	3.387E-05	4.029E-05	0.000216005	0.000259419	0.005014242	1.477222E-05	1.358E-05	3.830670E-08	3.456E-08	1161.7466	611.5648093	1.101.0.1	1.0.1
Orange (SC)	2024 Agricultural - Sprayers/Spray rigs	Aggregate	300 Diesel	1.184496E-05	1.433248E-05	1.705767E-05	5.12392E-05	0.000128896	0.002551764	5.5379E-06	5.094876E-06	2.339528E-08	2.096680E-08	591.2150946	122.4986442	0.221009632	26715.32
Orange (SC)	2024 Agricultural - Sweathers/Windrowers/Hay Conditioners	Aggregate	50 Diesel	3.606451E-07	4.364E-07	5.194E-07	2.27553E-06	2.749E-06	5.46144E-05	1.553E-07	1.431E-07	5.497E-10	4.945E-10	13.87.0.1	7.711481E-10	1.693113E-10	49.65.0.1
Orange (SC)	2024 Agricultural - Sweathers/Windrowers/Hay Conditioners	Aggregate	50 Diesel	3.760451E-07	4.554459E-06	5.42017E-06	3.14164E-05	3.369945E-05	0.000655795	1.360E-06	1.251296E-06	5.990E-09	5.388410E-09	151.940313	124.6841303	0.280764052	5533.089
Orange (SC)	2024 Agricultural - Sweathers/Windrowers/Hay Conditioners	Aggregate	75 Diesel	1.189162E-05	1.440E-05	1.713E-05	0.000161335	0.000159419	0.003907463	6.343777E-06	5.836427E-06	1.887.08E-08	1.698E-08	509.6547251	514.4146005	1.162.0.1	1.0.1
Orange (SC)	2024 Agricultural - Sweathers/Windrowers/Hay Conditioners	Aggregate	100 Diesel	2.381166E-05	2.881218E-05	3.428488E-05	0.000360694	0.000225933	0.008020313	1.723E-05	1.585626E-05	8.231166E-08	7.329470E-08	2066.736446	876.8823617	1.902391194	75189.83
Orange (SC)	2024 Agricultural - Sweathers/Windrowers/Hay Conditioners	Aggregate	175 Diesel	1.180865E-05	1.428998E-05	1.700358E-05	0.000219404	0.000117248	0.005001777	6.724411E-06	6.186186E-06	4.659988E-08	4.109778E-08	1158.857037	377.9417809	0.757381107	44089.99
Orange (SC)	2024 Agricultural - Sweathers/Windrowers/Hay Conditioners	Aggregate	300 Diesel	4.621816E-05	5.593E-05	6.655470E-05	0.000857	0.000457	0.019525	2.619864E-05	2.410946E-05	1.790622E-08	1.589E-08	445.9955	96.0417609	0.280744168	19795.13
Orange (SC)	2024 AirGroup - A/C Tug Narrow Body	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2024 AirGroup - A/C Tug Narrow Body	Aggregate	50 Diesel	2.843535E-07	3.440682E-07	4.094067E-07	0.000119504	9.955322E-05	0.00978394	1.081777E-06	9.952256E-06	8.960481E-08	7.985521E-08	317.4293411	238.9761749	0.747777515	10309.22
Orange (SC)	2024 AirGroup - A/C Tug Narrow Body	Aggregate	75 Diesel	0.000119989	0.000145187	0.000172745	0.000723546	0.001035311	0.023713355	5.514776E-05	5.073591E-05	2.679326E-07	2.397060E-07	6759.148307	862.6507103	1.747248237	323302.7
Orange (SC)	2024 AirGroup - A/C Tug Narrow Body	Aggregate	100 Diesel	4.118181E-05	4.984E-05	5.931E-05	0.000847975	0.000534	0.000194	0.000174068	7.321256E-06	1.537299E-06	1.414E-06	4.024E-09	1.661215E-09	435.4503819	0.0.1
Orange (SC)	2024 AirGroup - A/C Tug Narrow Body	Aggregate	175 Diesel	9.785188E-05	0.000118401	0.000140907	0.001654313	0.001161008	0.278503561	7.352765E-05	6.764564E-05	2.571976E-06	2.273116E-06	9035.743132	2457.027475	7.427919694	326271.7
Orange (SC)	2024 AirGroup - A/C Tug Narrow Body	Aggregate	300 Diesel	1.892295E-05	1.811133E-06	2.155563E-06	1.51294E-05	1.812345E-05	0.002271721	1.275E-06	1.171109E-06	2.095833E-08	1.854150E-08	73.70340774	44.43748952	0.149555342	2660.431
Orange (SC)	2024 AirGroup - A/C Tug Narrow Body	Aggregate	500 Diesel	4.118181E-05	4.984E-05	5.931E-05	0.000847975	0.000535161	0.000179083	2.722E-06	2.502E-06	9.286237E-07	8.212E-07	3264.437606	1117.54942	3.692.0.1	1.0.1
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	25 Diesel	0	0	0	0.000161401	0.000163413	0.001161008	0.278503561	7.352765E-05	6.764564E-05	2.571976E-06	9035.743132	2457.027475	7.427919694	326271.7
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	50 Diesel	6.979866E-07	8.444544E-07	1.004976E-06	1.403755E-05	1.081866E-05	0.0021252	4.636726E-06	4.265788E-06	1.376066E-08	1.196256E-08	68.94978301	46.09764	0.113629201	2235.727
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	75 Diesel	1.44566E-06	1.749017E-06	2.081668E-06	1.70791E-05	1.781866E-05	0.002502861	1.189701E-06	1.094586E-06	2.309698E-08	2.042810E-08	81.20275663	46.097464	0.113629201	2927.189
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	100 Diesel	5.769431E-06	6.954278E-06	8.276429E-06	9.02747E-05	9.234E-05	0.013785945	4.709818E-06	4.331E-06	2.353688E-07	2.082E-07	440.5459395	184.388924	0.454518868	15888.58
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	175 Diesel	1.042976E-05	1.261998E-05	1.501878E-05	0.000207242	0.000129977	0.031616469	6.128535E-06	5.638525E-06	3.340316E-07	2.951610E-07	1173.283924	276.584784	0.681775207	42294.42
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	300 Diesel	5.407896E-05	6.543618E-05	7.787747E-05	0.000631378	0.000558757	0.340251176	1.798855E-05	1.655560E-05	3.144317E-06	2.777068E-06	1109.07469	1649.089414	4.09065124	397935.1
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	500 Diesel	4.131886E-05	4.999E-05	5.949E-05	0.000442485	0.000344248	0.005514444	1.667868882	2.074238E-05	1.370112E-06	1.204E-06	5446.320985	532.3090883	1.863559413	106312.6
Orange (SC)	2024 AirGroup - A/C Tug Wide Body	Aggregate	750 Diesel	7.86897E-06	9.521456E-06	1.133131E-05	2.80635E-05	0.000176269	0.013801407	4.618E-06	4.249826E-06	1.255168E-07	1.110130E-07	441.2826811	25.25888438	0.113629201	1593.1
Orange (SC)	2024 AirGroup - Baggage Tug	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2024 AirGroup - Baggage Tug	Aggregate	50 Diesel	2.033E-06	2.460E-06	2.927960E-06	0.000184415	0.000150064	0.021471094	9.060030E-06	8.285550E-06	1.979E-07	1.752440E-07	696.6040632	731.1322285	1.001274814	32841.68
Orange (SC)	2024 AirGroup - Baggage Tug	Aggregate	75 Diesel	5.564722E-05	6.731312E-05	8.012E-05	0.005064	0.001606	0.000073565	0.153715297	1.219046E-05	1.414E-06	1.254E-06	4987.123531	9032.567988	17.98478741	590481.2
Orange (SC)	2024 AirGroup - Baggage Tug	Aggregate	100 Diesel	6.12122E-05	7.40951E-05	8.817444E-05	0.000186094	0.000800264	0.154483878	2.608260E-05	2.399661E-05	1.426444E-06	1.260388E-06	501.0.59282	2937.911984	4.005099258	263010.4
Orange (SC)	2024 AirGroup - Baggage Tug	Aggregate	175 Diesel	1.556E-07	1.883010E-07	2.240930E-07	7.68341E-06	7.055717E-07	0.000403229	2.567378E-08	2.361388E-08	1.296898E-08	1.145438E-08	45.5262135	15.09013985	0.025673713	2186.267
Orange (SC)	2024 AirGroup - Baggage Tug	Aggregate	300 Diesel	5.484417E-06	6.639216E-06	7.897272E-06	1.85463E-05	0.000115945	0.000882598	3.006509E-06	2.766477E-06	7.456310E-08	6.590701E-08	262.2309897	75.90954942	0.102694853	13764.9
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	25 Diesel	9.414444E-08	1.139115E-07	1.355688E-07	2.52526E-06	2.244616E-06	0.000463551	8.051777E-09	7.407626E-09	4.282918E-09	3.783404E-09	15.03918688	31.1922156	0.055996148	779.8054
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	50 Diesel	1.565008E-06	1.894483E-06	2.255018E-06	1.49483E-05	1.598916E-05	0.001322443	5.636088E-06	5.187606E-06	1.370066E-08	1.258737E-08	432.2319788	481.4793419	0.929473	22411.61
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	75 Diesel	5.852166E-05	7.08111E-05	8.427116E-05	0.000564823	0.000623985	0.080833467	4.473430E-05	4.115560E-05	7.455E-07	6.597526E-07	2622.552802	2401.800602	4.617393425	151173.1
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	100 Diesel	1.374908E-05	1.662E-05	1.979E-05	0.000132695	0.000146484	0.027364097	2.863410E-05	2.634346E-05	6.809F-07	6.025E-07	2393.194885	1604.131882	4.217612784	138102.8
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	175 Diesel	2.21995E-06	2.686188E-06	3.196788E-06	3.10774E-05	2.215616E-05	0.004991517	1.517666E-06	1.396255E-06	4.608258E-08	4.074010E-08	161.9442862	69.09434564	0.149915371	9335.67
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	300 Diesel	1.147E-05	1.388864E-05	1.652836E-05	8.527015E-05	1.230775E-05	0.004947285	1.504455E-06	5.730055E-07	5.272E-07	4.675E-07	1.0.1	1.0.1	0.0.1	1.0.1
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	500 Diesel	3.443767E-07	4.159620E-07	4.950260E-07	6.79488E-06	1.875252E-06	0.000759441	1.644519E-06	5.529570E-08	1.555E-07	1.379E-07	1.0.1	1.0.1	0.0.1	1.0.1
Orange (SC)	2024 AirGroup - Belt Loader	Aggregate	750 Diesel	3.874290E-06	4.687898E-06	5.578398E-06	5.97772E-05	5.172045E-05	0.002225305	2.631431E-06	2.42090E-06	2.045788E-08	1.816268E-08	72.19756899	6.5695003334	0.029983074	4165.627
Orange (SC)	2024 AirGroup - Bobtail	Aggregate	25 Diesel	1.844764E-07	2.230E-07	2.660507E-07	1.40014E-06	4.077112E-06	0.000407288	1.455E-07	1.339E-07	4.359160E-09	3.853110E-09	15.16413887	10.06172959	0.017229859	722.1237
Orange (SC)	2024 AirGroup - Bobtail	Aggregate	50 Di

Orange (SC)	2024 ConstMin - Paving Equipment	Aggregate	100 Diesel	0.000190411	0.000230398	0.000274192	0.000509413	0.002453194	0.53763842	0.000011145	0.000010254	4.96502E-06	4.38831E-06	17443.08642	10665.22105	22.45104612	949292.6						
Orange (SC)	2024 ConstMin - Paving Equipment	Aggregate	175 Diesel	0.00020131	0.000243585	0.000289887	0.000386708	0.00217412	0.573413751	0.000114328	0.000105182	5.27699E-06	4.663E-06	18538.38985	6940.609527	14.80288755	1020990						
Orange (SC)	2024 ConstMin - Paving Equipment	Aggregate	300 Diesel	0.979581E-05	0.000113496	0.000135069	0.000802362	0.001096012	0.387667754	4.29097E-05	3.94760E-05	3.58137E-06	3.16409E-06	12577.45205	2962.988478	6.167869813	683844.5						
Orange (SC)	2024 ConstMin - Paving Equipment	Aggregate	600 Diesel	9.29946E-05	0.000112523	0.000133913	0.000832229	0.001072072	0.42974523	3.57398E-05	3.28798E-05	3.97042E-06	3.50752E-06	13942.63072	1885.800819	3.94763668	760084.3						
Orange (SC)	2024 ConstMin - Paving Equipment	Aggregate	750 Diesel	1.45219E-05	1.75715E-05	2.09115E-05	0.000119939	0.000155817	0.063389698	4.31462E-06	3.96945E-06	5.85634E-07	5.1737BE-07	2056.608841	170.851095	0.328953057	111779.9						
Orange (SC)	2024 ConstMin - Paving Equipment	Aggregate	9999 Diesel	6.55044E-06	7.92603E-06	9.43263E-06	7.1033E-05	0.000167692	0.037435616	2.81969E-06	2.59412E-06	3.45934E-07	3.05544E-07	1214.557467	76.41085123	0.164476528	66101.5						
Orange (SC)	2024 ConstMin - Rollers	Aggregate	25 Diesel	1.88022E-05	2.27508E-05	2.70754E-05	6.25175E-06	4.30483E-06	0.000328958	5.91832E-07	5.44483E-07	2.98497E-08	2.68491E-08	107.6726947	19.80328886	0.084728486	495.0072						
Orange (SC)	2024 ConstMin - Rollers	Aggregate	50 Diesel	0.001831374	0.002215963	0.002637179	0.015032537	0.01036818	2.102891013	0.000687522	0.00061252	1.93873E-05	1.71635E-05	68225.98301	84985.9069	249.8643106	3162672						
Orange (SC)	2024 ConstMin - Rollers	Aggregate	175 Diesel	0.643984E-05	7.79113E-05	9.27207E-05	0.00025609	0.00062736	0.022993331	4.46445E-05	4.10728E-05	2.54E-06	2.25E-06	909.7574219	514.5495428	518.3575682	2.20294584	86775.08					
Orange (SC)	2024 ConstMin - Rollers	Aggregate	100 Diesel	0.001127837	0.001606682	0.001912085	0.021133272	0.016995906	3.264671383	0.000888021	0.000816979	3.01437E-05	2.66458E-05	10591.8611	625131.1508	184.1997326	5455607						
Orange (SC)	2024 ConstMin - Rollers	Aggregate	300 Diesel	0.000751921	0.000909824	0.001082766	0.018187258	0.008352378	1.339906883	0.000389403	0.000358267	1.31942E-05	1.27745E-05	11046.3414	9538.16706	1.983665365	588584						
Orange (SC)	2024 ConstMin - Rollers	Aggregate	300 Diesel	0.000192743	0.000233219	0.00027755	0.00165547	0.002563225	0.574356529	9.84709E-05	9.05932E-05	5.30443E-06	4.68782E-06	18634.36504	4619.424474	13.98030049	959800.2						
Orange (SC)	2024 ConstMin - Rollers	Aggregate	600 Diesel	6.99429E-06	8.46308E-06	0.000100718	0.000647802	0.000865606	0.317392803	2.74304E-05	2.70705E-05	2.91235E-06	2.59052E-06	10297.45167	1501.059899	4.829523807	527961.2						
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	25 Diesel	6.29818E-07	7.62124E-07	9.06931E-07	7.69389E-06	4.31812E-06	0.000396612	5.34064E-07	4.91317E-07	1.42225E-08	1.29787E-08	51.35795807	15.97459447	0.039557357	61.09955927						
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	50 Diesel	7.12745E-05	8.62421E-05	0.000102635	0.000656195	0.000611509	0.101374141	2.42917E-05	2.23483E-05	8.13103E-08	6.97412E-08	279.0485955	87.24202E-07	3288.97235	3985.464789	10.56008962	142263.1				
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	175 Diesel	2.20907E-05	2.67298E-05	3.18106E-05	0.000203501	0.000259262	0.043041991	1.00742E-05	9.26477E-06	6.63133E-08	5.67312E-08	227.1884115	105.5958715	0.880307469	1091.71						
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	100 Diesel	0.001655113	0.001997846	0.002377602	0.015131484	0.028673856	5.446934311	0.000689276	0.000634134	7.80466E-05	6.80427E-05	27405.1.4748	136986.4934	474.2262469	13164614						
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	175 Diesel	0.00055141	0.000667206	0.000795913	0.008619907	0.005355692	0.907604534	0.000135273	0.000124404	1.04E-05	9.13E-06	3.66E+03	1.4E+03	1.42582E-05	0.000175	0.000175	0.000175	0.000175	0.000175	0.000175	0.000175
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	300 Diesel	2.48739E-05	3.00974E-05	3.58184E-05	0.000261199	0.000369009	0.1394449	8.73099E-06	8.03251E-06	1.28849E-06	1.13813E-06	4524.136194	1027.563825	4.008529122	217472.2						
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	600 Diesel	5.1149E-06	6.18903E-06	7.36546E-06	8.23209E-05	4.57832E-05	0.049344698	7.91863E-07	7.28514E-07	4.24539E-07	3.74913E-07	1490.300698	179.3723822	0.684492523	71724.96						
Orange (SC)	2024 ConstMin - Rough Terrain Forklifts	Aggregate	750 Diesel	1.56746E-06	1.89663E-06	2.25674E-06	1.40813E-05	2.26946E-05	0.008641272	1.57441E-07	1.44846E-07	7.98458E-08	7.05288E-08	280.3560549	21.55912681	0.077778608	13495.77						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	50 Diesel	5.630396-05	6.81278E-05	8.10777E-05	0.000744997	0.000547477	0.089816303	1.73655E-05	1.59765E-05	8.28707E-07	7.33006E-07	2911.993102	3127.125266	3.143834672	128100.4						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	75 Diesel	0.00019486	0.000168778	0.00020086	0.000983905	0.001298668	0.115590418	9.38976E-05	8.63858E-05	1.09779E-06	9.72810E-07	386700.8854	2629.422558	1.385668324	188806.1						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	100 Diesel	0.000272341	0.000329512	0.000392171	0.001922015	0.002538222	0.227624672	0.000220414	0.000202836	2.24572E-06	2.06283E-06	792.6.4.7137	5166.067654	3.844139897	433188.6						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	175 Diesel	0.00038376	0.00046435	0.000552615	0.002985335	0.004097883	0.418190987	0.00026418	0.000243046	3.86516E-06	3.41916E-06	13591.36841	4666.104173	5.804002841	664543.1						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	300 Diesel	0.000403496	0.000488423	0.000581034	0.003151562	0.003907807	0.491160347	0.000319161	0.000220047	4.55077E-06	4.02042E-06	15941.44533	3442.757699	4.912788184	778402.8						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	600 Diesel	0.002934753	0.003551941	0.004225805	0.028350965	0.01945553	4.643897587	0.001556076	0.001456359	4.38018E-05	3.78627E-05	15006.48644	19841.51662	26.66078669	7305411						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	750 Diesel	6.148566-05	7.439766-05	8.85393E-05	0.000358872	0.000944958	0.173899154	2.675E-05	2.46164E-05	1.60594E-06	1.41934E-06	564.1.96549	414.4382882	0.483055753	275948.1						
Orange (SC)	2024 ConstMin - Rubber Tired Dozers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	50 Diesel	0.000451167	0.000502353	0.000597841	0.002981445	0.002224766	0.292012638	0.000142529	0.000131127	2.68735E-06	2.3833706	947.0.28454	10931.20396	12.43514401	453122						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	75 Diesel	3.18535E-05	3.85429E-05	4.58869E-05	0.000312114	0.000298612	0.031727916	2.67398E-06	2.47095E-06	1.39238E-07	1.21838E-07	492.2685569	358.1426216	0.872169946	36636.86						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	100 Diesel	0.00437859	0.005298093	0.006305169	0.051860138	0.044586405	7.081201969	0.00293231	0.002697725	6.53564E-05	5.78123E-05	229806.6871	144147.5946	152.8346416	12387599						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	175 Diesel	0.009577786	0.007959121	0.009472012	0.105568232	0.060970122	16.87688982	0.003264998	0.003003798	0.000155782	0.000137698	547357.4356	105772.1669	439.2073332	29193832						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	300 Diesel	0.007682946	0.009226364	0.011003442	0.076039993	0.089664599	25.38270073	0.003826561	0.003520216	0.000239445	0.000207177	823511.7712	299729.1224	191.3163741	44107334						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	600 Diesel	0.010601014	0.012827227	0.015265651	0.078816309	0.105010893	30.76717462	0.003974966	0.003656969	0.00028414	0.000251118	998207.0966	161354.3448	163.0012257	53514703						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	750 Diesel	0.000901127	0.001081603	0.001286813	0.006660185	0.008775299	2.592720009	0.000335008	0.000308244	2.38516E-05	2.19407E-05	85048.05445	7829.915969	7.813975627	5075712						
Orange (SC)	2024 ConstMin - Rubber Tired Loaders	Aggregate	9999 Diesel	0.000278642	0.000881439	0.001048985	0.004831151	0.01544373	4.185979241	0.000322464	0.000294531	2.01088E-05	1.78417E-05	70921.68924	3952.527945	3.276282489	3788420						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	25 Diesel	1.84604E-07	2.23498E-07	2.65921E-07	4.34721E-06	1.26588E-06	0.000147084	1.41225E-07	1.29787E-08	5.90134E-09	4.83833E-09	19.24702056	34.94517924	0.010677645	18.04295						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	50 Diesel	2.909545E-05	3.52054E-05	4.18979E-05	9.907411E-05	6.954833E-05	0.00594604	9.77866E-06	8.99637E-06	5.41012E-08	4.85308E-08	192.9127113	182.5885631	0.498452698	7071.642						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	75 Diesel	5.807858E-05	7.02717E-05	8.36291E-05	0.000380016	0.000542292	0.049154482	4.60883E-05	4.24201E-05	4.56081E-07	4.04163E-07	1606.572637	564.4801992	2.115996169	83897.52						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	100 Diesel	0.000135272	0.000163744	0.000194858	0.001388915	0.002535943	0.229543503	0.002754603	0.002535209	4.22122E-06	3.88422E-06	1544.222.5	3127.045404	3.577.009826	0.864507923	324520.7					
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	175 Diesel	0.001507914	0.001824576	0.002171396	0.019453028	0.018963255	3.095260324	0.000888506	0.000817425	2.85722E-05	2.52631E-05	10042.31324	23940.06887	51.83908057	3994975						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	300 Diesel	0.001910328	0.002313861	0.002753517	0.012388249	0.023426214	3.844222234	0.001706007	0.001570404	1.31888E-05	1.21476E-05	12471.0231	22570.80269	54.58057941	5004699						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	600 Diesel	0.016664331	0.020163841	0.023996921	0.158939901	0.202188553	46.66842223	0.007811444	0.007186528	0.000430973	0.000383901	1514105.563	143421.3264	291.8440545	60558150						
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	750 Diesel	0.000606188	0.000733837	0.000873511	0.008022393	0.011134043	2.622683803	0.000439612	0.000404844	2.70E-05	2.40E-05	9.54539E-06	5.09083E-06	20241.27318	1299.573399	3.089513	808093.3				
Orange (SC)	2024 ConstMin - Scrapers	Aggregate	9999 Diesel	0.000701104	0.000848336	0.00100959	0.008261199	0.012169104	2.076809169	0.000417738	0.000384319	9.93466-06	8.78877E-06	34935.88564	876.9286666	2.15996169	1400603						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	50 Diesel	0.000778623	0.000942134	0.001121217	0.008986382	0.009019551	1.591664419	0.000239109	0.00021998	1.46924E-05	1.29931E-05	51639.79918	55752.5646	173.0035391	2428344						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	75 Diesel	0.001873062	0.002266605	0.002697209	0.051890118	0.030577044	8.418879539	0.000943824	0.000868318	7.77805E-05	6.87138E-05	273141.2749	202792.1156	554.7778338	14322926						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	100 Diesel	0.843018E-05	8.2607E-05	9.85397E-05	0.000578448	0.000570548	0.038520761	5.76791E-06	5.30848E-06	5.34091E-07	4.72035E-07	1.14401E-07	1249.763682	864.2105232	3.536807765	66116.51					
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	175 Diesel	1.174830E-05	1.42154E-05	1.69175E-05	0.000135631	0.000135001	0.057137072	5.71421E-06	5.25707E-06	5.27908E-07	4.66345E-07	185.7449665	639.8144474	2.315862943	97543.39						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	300 Diesel	8.734153E-06	1.05672E-05	1.25772E-05	9.9819E-05	0.000118991	0.053605987	3.66606E-06	3.37484E-06	4.93833E-07	4.23117E-07	171.2675241	419.8724426	1.492.4.2.2	90246.75						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	600 Diesel	3.97134E-06	4.80774E-06	5.72161E-06	2.89516E-05	0.048065E-05	0.015329411	2.64112E-06	2.42983E-06	1.41609E-07	1.25317E-07	497.3458535	55.12185872	0.171545403	26061.61						
Orange (SC)	2024 ConstMin - Skid Steer Loaders	Aggregate	9999 Diesel	2.38578E-06	2.88679E-06	3.43552E-06	1.73977E-05	8.98641E-05	0.020705472	1.20276E-06	1.11133E-06	1.91777E-07	1.69163E-07	673.2262113	35.27798958	0.171545403	9273.97						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	50 Diesel	6.769626-06	8.19124E-06	9.74826E-06	9.00419E-05	9.14860E-05	0.014742974	2.85367E-06	2.62538E-06	1.36103E-07	1.20330E-07	478.3195643	757.0185636	3.034729266	27353.36						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	75 Diesel	7.287536-05	8.81791E-05	1.04945E-04	5.15417E-04	4.49074E-05	0.057053941	5.57128E-06	5.12618E-06	1.49068E-06	5.75733E-08	228.8573665	227.8497138	0.331762851	14629.84						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	100 Diesel	2.254845E-05	2.7127E-05	3.25214E-05	0.000574158	0.000383894	0.039305277	1.41387E-05	1.30076E-05	8.59702E-07	7.59537E-07	3019.205749	2158.025921	7.547916388	192416.7						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	175 Diesel	1.64915E-05	4.43998E-05	5.32284E-05	0.000444969	0.000308363	0.071318452	2.49134E-05	2.29393E-05	6.95441E-07	6.14332E-07	2441.420729	1138.430287	3.514318714	158615.2						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	300 Diesel	4.48788-05	5.43023E-05	6.46243E-05	0.000371667	0.000713079	0.148990134	2.37345E-05	2.18357E-05	1.37614E-06	1.21604E-06	4831.820158	1367.916578	5.446949965	309235.2						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	600 Diesel	9.64962E-05	0.00011676	0.000138955	0.001065413	0.001223935	0.524889152	4.55949E-05	4.21516E-05	4.85089E-06	4.28488E-06	17032.69687	2673.270944	9.337628511	1029733						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	750 Diesel	1.19884E-05	1.45055E-05	1.72626E-05	0.000242887	0.000378411	0.162478945	1.38881E-05	1.27771E-05	1.20527E-06	1.06412E-06	4230.5.4.7	727.2824664	2.509555247	257028.3						
Orange (SC)	2024 ConstMin - Surfacing Equipment	Aggregate	9999 Diesel	1.51256E-05	1.83020E-05	2.17890E-05	0.000173417	0.000403092	0.081492882	7.31503E-06	6.72983E-06	7.52981E-07	6.65127E-07	2641.920226	192.7539478	0.700322138	169527.3						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	50 Diesel	0.001017381	0.001213101	0.001445029	0.008255578	0.006730251	0.969595803	0.000193958	0.000362093	8.93387E-06	7.91371E-06	31457.46801	31695.25157	46.60212635	1200472						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	75 Diesel	0.000221807	0.000268386	0.000319462	0.001819403	0.001676763	0.247655224	0.000117734	0.000104293	1.35757E-06	1.20433E-06	4787.266795	3841.486504	9.497.3.4.8	304568.3						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	100 Diesel	0.000553551	0.000669797	0.000797114	0.003924273	0.006787624	1.350987243	0.000355482	0.000327044	1.24739E-05	1.10266E-05	43831.29324	23646.06955	32.16783943	1859097						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	175 Diesel	0.00015544	0.000188034	0.000223775	0.002284051	0.001591549	0.317596351	7.57043E-05	6.96479E-05	3.45127E-06	3.05088E-06	12127.43093	3218.961833	4.372628897	515440.3						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	300 Diesel	0.611576E-06	8E-05	9.52060E-05	0.000595011	0.000804945	0.224481716	2.72218E-05	2.50426E-05	2.07346E-06	1.83213E-06	7283.66213	1473.397858	4.911170226	445908.3						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	600 Diesel	3.50434E-06	4.24022E-06	5.04619E-06	5.59265E-05	1.53023E-05	0.030315995	5.43685E-07	5.00190E-07	3.68022E-07	3.25233E-07	1293.0.4.7	126.4454667	0.384963279	41727						
Orange (SC)	2024 ConstMin - Sweepers/Scrubbers	Aggregate	9999 Diesel	1.47090E-06	1.74959E-06	2.08227E-06	4.96285E-06	3.78977E-06	0.000167793	2.69854614	2.48222E-07	1.20576E-07	1.06525E-07	42.22723167	0.182483164	53612.87							
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	50 Diesel	0.002658816	0.003217167	0.003828694	0.025151444	0.020526261	3.136561353	0.000905032	0.000832835	2.89198E-05	2.56002E-05	10176.2.788	2422.123799	4853.439							
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	75 Diesel	0.000997455	0.001206921	0.001436335	0.004010635	0.009473184	0.191071723	0.000759199	0.000698463	3.58573E-06	3.19187E-06	12687.89136	9331.394882	39.48220588	665268.8						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	100 Diesel	0.016870761	0.020413621	0.024293896	0.131817994	0.208088004	50.3144882	0.009225134	0.008487114	0.000464676	0.000410366	1632897.957	1024554.859	1604.523978	85314563						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	175 Diesel	0.002423205	0.002943889	0.003503519	0.015648849	0.023020949	5.784449357	0.001145008	0.001053407	8.11159E-05	7.16758E-05	284904.4533	104424.1508	183.9128394	14993253						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	300 Diesel	0.00150117	0.001816415	0.002161684	0.012682336	0.01703807	5.442330213	0.000620583	0.000570936	5.02722E-05	4.44196E-05	176570.4101	64715.48134	78.20513857	9294611						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	600 Diesel	0.001737076	0.002101812	0.002501189	0.027505319	0.025855178	8.345274599	0.000960849	0.000883776	0.000116744	0.000103555	41264.2.7	16084.56886	65.75101278	12481747						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	750 Diesel	4.96647E-05	6.00943E-05	7.15172E-05	0.000638549	0.000521889	0.117776972	2.16277E-05	1.98794E-05	1.08742E-06	9.6128E-07	3821.144152	308.0474743	0.674909502	204269.7						
Orange (SC)	2024 ConstMin - Tractors/Loaders/Backhoes	Aggregate	9999 Diesel	0.000655467	0.000793119	0.000943603	0.004821601	0.014632166	3.492422957	0.000272127	0.000250196	2.27161E-05	2.01577E-05	8013.566311	2261.616828	5.634274818	2402018						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	50 Diesel	0.000937504	0.001134381	0.001350008	0.007959149	0.007341541	1.111460225	0.000371007	0.000341155	1.02658E-05	9.08741E-06	36123.04413	31288.07407	79.39460574	12479552						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	75 Diesel	0.000155485	0.000185737	0.000220318	0.000969842	0.000619563	0.121481158	0.000121194	0.000111498	1.11855E-06	9.91513E-07	3941.322383	2103.750745	6.349734215	157763.9						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	100 Diesel	0.000466783	0.000564807	0.000672167	0.004752001	0.005354356	0.686301652	0.000361287	0.000332184	6.33132E-06	5.60155E-06	22266.30129	10086.8502	29.86322E-05	855001.1						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	175 Diesel	0.000941E-05	0.000114462	0.000136243	0.001154898	0.001454868	0.416479799	8.87938E-05	8.16908E-05	3.52912E-06	3.12107E-06	12405.5.4.7	1442.149053	4.871596073	206102.1						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	300 Diesel	0.000172754	0.000209032	0.000248766	0.001909871	0.002325118	0.737326313	9.76704E-05	9.00488E-05	3.45195E-06	3.05194E-06	12131.62741	2065.483481	6.495928097	465399.9						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	600 Diesel	0.000155958	0.000188709	0.000224579	0.001727284	0.001772878	0.557704425	7.46577E-05	6.88139E-05	3.11525E-06	2.75413E-06	10944.10227	1819.120944	5.819.3.2.3	418212.3						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	750 Diesel	1.67524E-05	2.02704E-05	2.41235E-05	0.000324963	8.96209E-05	0.181041516	3.08845E-06	2.84138E-06	1.67332E-06	1.47764E-06	5871.692591	348.8129934	0.721769789	225799.2						
Orange (SC)	2024 ConstMin - Trenchers	Aggregate	9999 Diesel	2.66908E-05	3.22958E-05	3.84347E-05	0.000390297	0.000368504	0.014529466	1.71861E-05	1.58065E-05	1.33531E-07	1.18588E-07	471.3952512	21.08389269	0.090221224	18132.15						
Orange (SC)	2024 Industrial - Aerial Lifts	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Orange (SC)	2024 Industrial - Aerial Lifts	Aggregate	50 Diesel	0.000841425	0.001018124	0.001211652	0.019983835	0.01854171	3.770526045	0.000139079	0.000127952	3.48353E-05	3.07745E-05	122130.565	149623.2908	483.3519432	6902270						
Orange (SC)	2024 Industrial - Aerial Lifts	Aggregate	75 Diesel	0.000497195	0.000601575	0.000716048	0.017917464	0.008877543	2.881415572	0.000109956	0.000101186	2.35561E-05	2.09163E-05	82997.84125	86074.46352	273.0402454	5874353						
Orange (SC)	2024 Industrial - Aerial Lifts	Aggregate	100 Diesel	0.000537307	0.000650141	0.000773721	0.022111133	0.010057421	3.693006399	0.000130423	0.000119989	3.41276E-05	3.01418E-05	119615.5255	96780.70397	312.5022002	7514702						
Orange (SC)	2024 Industrial - Aerial Lifts	Aggregate	175 Diesel	5.44427E-05	6.57547E-05	7.82520E-05	0.002178008	0.000497037	0.402089488	1.84563E-05	1.69824E-05	3.72189E-06	3.28183E-06	13009.92027	10547.67422	34.10012187	1268.9						
Orange (SC)	2024 Industrial - Aerial Lifts	Aggregate	300 Diesel	3.04779E-06	3.68778E-06	4.38878E-06	4.40663E-05	3.11606E-05	0.024027976	4.21205E-07	3.87538E-07	2.72504E-07	2.50704E-07	994.1613E-07	779.5612338	2.220598-07	1.68431387	48918.75					
Orange (SC)

Orange (SC)	2024 OFF - ConstMin - Signal Boards	Aggregate	25 Diesel	4.270876-05	5.082606-05	6.150095-05	0.00046586	0.000401608	0.062323177	1.25529E-05	1.154868-05	8.056836-07	5.22470-07	2076.85	1255.6	2.35	46457.2		
Orange (SC)	2024 OFF - ConstMin - Skid Steer Loaders	Aggregate	25 Gasoline	0.036858725	0.033920655	0.040506778	1.535265545	0.025961555	2.491994187	0.018801374	0.014325482	6.324477e-05	6.70161-05	1913460.3	175041.05	548.25	53123.913		
Orange (SC)	2024 OFF - ConstMin - Skid Steer Loaders	Aggregate	25 Diesel	0.004266813	0.005077861	0.006144211	0.028919683	0.038894496	5.078453014	0.001458472	0.001378594	6.443598-05	4.24773-05	168849	269005	322.25	53801.00		
Orange (SC)	2024 OFF - ConstMin - Skid Steer Loaders	Aggregate	50 Gasoline	0.001244216	0.00114443	0.001369183	0.097153912	0.003918766	1.057622428	7.29115E-05	5.508874-05	1.385888-05	1.61063E-05	45975.4	24080	77.64	7708.80		
Orange (SC)	2024 OFF - ConstMin - Skid Steer Loaders	Aggregate	100 Gasoline	0.000715209	0.000657849	0.000787044	0.037187764	0.001780318	1.564010953	0.000109047	8.23908E-05	1.511056-05	2.15407E-05	61487.9	14413.85	46.44	11533.08		
Orange (SC)	2024 OFF - ConstMin - Surfacing Equipment	Aggregate	25 Gasoline	0.025079889	0.023068482	0.027598888	0.936740574	0.019184703	1.656836016	0.013160182	0.008764582	4.785361-05	4.28908E-05	122431.95	335051.75	783.1	26071.80		
Orange (SC)	2024 OFF - ConstMin - Tampers/Rammers	Aggregate	25 Gasoline	0.002915594	0.002681763	0.003208433	0.135988624	0.002425885	0.252737374	0.001941086	0.001466576	1.028926-05	6.40238E-06	18275.55	8544.6	469.14	3609017		
Orange (SC)	2024 OFF - ConstMin - Tractors/Loaders/Backhoes	Aggregate	25 Diesel	0.000831679	0.000965965	0.001168318	0.003989332	0.007385994	0.968862148	0.000275901	0.000253829	1.22930-05	8.10156-06	32203.95	446249	47.32	1026373		
Orange (SC)	2024 OFF - ConstMin - Tractors/Loaders/Backhoes	Aggregate	100 Gasoline	0.000504383	0.000463911	0.000555042	0.012595998	0.00127608	0.616997765	4.30186E-05	3.25028E-05	5.961066-06	8.93978E-06	255113.5	87215	10.03	5495865		
Orange (SC)	2024 OFF - ConstMin - Trenchers	Aggregate	25 Gasoline	0.022723527	0.02090311	0.025005856	0.935799862	0.016810507	1.5492177	0.011688397	0.008831234	4.113266-05	4.12745E-05	117818.35	122275	281.5	1809944		
Orange (SC)	2024 OFF - ConstMin - Trenchers	Aggregate	25 Diesel	0.000182476	0.000455175	0.000550762	0.002072217	0.00347441	0.450795446	0.000130947	0.000120471	6.09193E-06	3.84644E-06	15289.85	15390.65	25.85	3572511		
Orange (SC)	2024 OFF - ConstMin - Trenchers	Aggregate	50 Gasoline	0.002046743	0.001882594	0.002252315	0.146218641	0.002862265	0.976133633	6.72938E-05	5.08442E-05	1.186E-05	1.60896E-05	45927.95	20841.5	51.81	625245		
Orange (SC)	2024 OFF - ConstMin - Trenchers	Aggregate	100 Gasoline	0.000730686	0.000672085	0.000804076	0.031554607	0.001892966	0.70467817	4.93139E-05	3.72128E-05	6.88417E-06	1.08274E-05	28623.3	6913.1	17.21	4562644		
Orange (SC)	2024 OFF - Industrial - Aerial Lifts	Aggregate	25 Diesel	0.004229614	0.006188899	0.007406553	0.277507289	0.004741705	0.45008197	0.001935737	0.001326568	1.142976-05	1.21570E-05	345583.75	99399.05	106.57	754349.2		
Orange (SC)	2024 OFF - Industrial - Aerial Lifts	Aggregate	25 Diesel	0.000729979	0.000868736	0.00105117	0.004192207	0.006631707	0.879378824	0.000256666	0.000236133	1.1981E-05	7.36233E-06	29265.7	61718.05	159.55	11138.45		
Orange (SC)	2024 OFF - Industrial - Aerial Lifts	Aggregate	25 Nat Gas	0	0	0.000513005	0.138754437	0.003761284	0.184062007	0	0	0	0	53782.75	45519.15	121.29	858644.3		
Orange (SC)	2024 OFF - Industrial - Aerial Lifts	Aggregate	50 Gasoline	0.002077992	0.001911137	0.002286703	0.170869904	0.003103011	1.650861349	0.000113816	8.59941E-05	2.00727E-05	2.55391E-05	72901.45	45979.05	127.24	1517309		
Orange (SC)	2024 OFF - Industrial - Aerial Lifts	Aggregate	100 Gasoline	0.001637931	0.001505678	0.001802454	0.090520713	0.004087092	3.131409464	0.000231828	0.000174594	3.202075-05	4.58090E-05	130994.85	45979.05	127.24	1080596		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	25 Gasoline	0.00019863	0.0001827	0.000218581	0.012243489	0.000165348	0.019680636	9.89898E-06	7.47923E-06	4.987981-07	5.25538E-07	1500.15	2197.3	2.44	50573.9		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	25 Nat Gas	0	0	2.47903E-05	0.009924467	0.000100578	0.02066021	0	0	0	0	1427.55	1452.7	1.16	33412.1		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	50 Diesel	0.052570284	0.048354147	0.057830795	6.18188E-05	0.121182809	22.24637666	0.001533945	0.001158754	0.000270475	0.000426397	1217150.9	764569.15	424.4	81347195		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	50 Nat Gas	0	0	0.003435596	0.570793063	0.149285344	35.57582334	0	0	0	0	189514.75	1419561.65	787.97	58202028		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	100 Gasoline	0.111980706	0.102080554	0.122127498	10.53018924	0.547819633	131.767005	0.009188843	0.006942674	0.001273292	0.001971225	5626889.2	2683096.75	1489.31	1.88E+08		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	100 Nat Gas	0	0	0.020379788	9.62230808	0.964908274	213.2363952	0	0	0	0	11880164	4982217.15	2765.52	3.49E+08		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	175 Gasoline	0.005792605	0.005328084	0.006374461	0.404623847	0.010392118	0.970596606	0.000700448	0.000525227	9.70606E-05	0.000138205	1945026.6	980403.9	54.43	3481891		
Orange (SC)	2024 OFF - Industrial - Forklifts	Aggregate	175 Nat Gas	0	0	0.000939497	0.563723326	0.048014927	16.27101826	0	0	0	0	8903147.4	1823284.45	101.2	26619954		
Orange (SC)	2024 OFF - Industrial - Other General Industrial Equipment	Aggregate	25 Gasoline	0.00055618	0.000511254	0.000611819	0.039459886	0.004453442	0.570966886	0.000237578	0.000207912	1.582681-05	1.49423E-05	426519.9	771902	198.91	815325.1		
Orange (SC)	2024 OFF - Industrial - Other General Industrial Equipment	Aggregate	25 Diesel	0.000899974	0.001070144	0.001259593	0.00509966	0.008383511	1.111461641	0.000316158	0.000292125	1.485688-05	9.29979E-06	36967.2	49.42	0.58	12695.43		
Orange (SC)	2024 OFF - Industrial - Other General Industrial Equipment	Aggregate	50 Gasoline	0.001632351	0.001501437	0.001796303	0.156261176	0.003605533	1.111514581	7.66268E-05	5.78958E-05	1.15146-05	1.80729E-05	51589.1	29010.2	40.64	870306		
Orange (SC)	2024 OFF - Industrial - Other General Industrial Equipment	Aggregate	100 Gasoline	0.000505022	0.000464512	0.000555746	0.036652218	0.002977964	0.951083883	6.61316E-05	4.99663E-05	6.010146-06	1.31928E-05	38230.1	95318	13.37	753170.2		
Orange (SC)	2024 OFF - Industrial - Other General Industrial Equipment	Aggregate	175 Gasoline	7.08542E-05	6.51737E-05	7.79707E-05	0.008834891	0.000600127	0.197556122	1.41146-05	1.06795-05	1.958546-06	2.75812E-06	7873.05	919.8	1.3	160045.2		
Orange (SC)	2024 OFF - Industrial - Other Material Handling Equipment	Aggregate	25 Gasoline	2.31833E-05	1.93127E-05	2.31284E-05	0.001717142	0.001408569	0.174866107	7.86466E-07	5.94242E-07	1.387097-07	1.85470E-06	139.25	222.65	0.55	9128.65		
Orange (SC)	2024 OFF - Industrial - Other Material Handling Equipment	Aggregate	100 Gasoline	0.000533045	0.000490294	0.000586583	0.028227486	0.002486334	0.657427196	4.58374E-05	3.46327E-05	6.351666-06	9.32798E-06	26626.75	9829.45	25.4	530790.3		
Orange (SC)	2024 OFF - Industrial - Sweepers/Scrubbers	Aggregate	25 Gasoline	0.004215998	0.003896271	0.004661457	0.272595992	0.003421058	0.452560972	0.000321079	0.000315802	1.186186-05	1.38704E-05	3901.2	37795.75	139.89	489207		
Orange (SC)	2024 OFF - Industrial - Sweepers/Scrubbers	Aggregate	25 Diesel	0.00017923	0.000212298	0.000253691	0.001100284	0.001659873	0.222591421	6.45578E-05	6.02982E-05	3.112296-06	1.88154E-06	7519	1044842	16.1	193617.1		
Orange (SC)	2024 OFF - Industrial - Sweepers/Scrubbers	Aggregate	50 Gasoline	0.004530582	0.004167229	0.004985629	0.390984133	0.00979536	3.592753886	0.000247681	0.000187137	4.368318-05	5.59947E-05	159837.15	61115.6	118.35	2139046		
Orange (SC)	2024 OFF - Industrial - Sweepers/Scrubbers	Aggregate	100 Gasoline	0.002442209	0.002246899	0.002688869	0.167098937	0.006665723	2.529220344	0.000401784	0.000303116	5.567535-06	7.99810E-06	22830.5	51027	98.83	940836		
Orange (SC)	2024 OFF - Industrial - Sweepers/Scrubbers	Aggregate	175 Gasoline	2.04721E-05	1.88302E-05	2.25382E-05	0.002233503	0.000197642	0.067085907	4.80394E-06	3.63373E-06	6.664286-07	9.34716E-07	2668.15	295.65	0.58	41391		
Orange (SC)	2024 OFF - Light Commercial - Air Compressors	Aggregate	25 Gasoline	0.048801883	0.044894259	0.053715345	1.122605974	0.028920792	2.592780145	0.009555126	0.007644005	7.833318-05	5.59304E-05	169270.05	56042.15	1158.91	1483013		
Orange (SC)	2024 OFF - Light Commercial - Air Compressors	Aggregate	25 Diesel	0.000212414	0.00025279	0.000305876	0.00112297	0.001892494	0.244646241	7.83392E-05	7.20721E-05	3.241776-06	2.04672E-06	8135.85	14840.9	18.24	2964384		
Orange (SC)	2024 OFF - Light Commercial - Air Compressors	Aggregate	50 Gasoline	0.002355307	0.002166411	0.002559171	0.181688181	0.003121243	1.076261808	7.41965E-05	5.60596E-05	1.308546-05	1.81795E-05	51802.05	23210.35	48.03	812362.3		
Orange (SC)	2024 OFF - Light Commercial - Air Compressors	Aggregate	50 Diesel	0.002126149	0.002784309	0.003349654	0.021688823	0.018497961	2.731248662	0.000841887	0.000595949	3.513458-05	2.30181E-05	91498.2	30112.77	110.17	3317508		
Orange (SC)	2024 OFF - Light Commercial - Air Compressors	Aggregate	100 Gasoline	0.007316	0.006729256	0.008050811	0.342298375	0.018180843	6.90145907	0.000481186	0.000363563	0.667775-05	9.80841E-05	282542.85	75266.65	155.71	5268666		
Orange (SC)	2024 OFF - Light Commercial - Air Compressors	Aggregate	100 Diesel	0.000808878	0.00064258	0.000768319	0.031217943	0.002511567	0.864361676	0.138555	0.468184	0.858535-06	1.21424E-05	34660.4	50563	10.48	677802.6		
Orange (SC)	2024 OFF - Light Commercial - Gas Compressors	Aggregate	50 Nat Gas	0	0	0.000159982	0.028344376	0.005809517	1.9306733	0	0	0	0	102583.25	30003	3.53	960096		
Orange (SC)	2024 OFF - Light Commercial - Gas Compressors	Aggregate	100 Nat Gas	0	0	0.000672413	0.45127112	0.03437499	9.8493835	0	0	0	0	600326.45	620215.5	7.3	5457188		
Orange (SC)	2024 OFF - Light Commercial - Gas Compressors	Aggregate	175 Nat Gas	0	0	0.000243307	0.0922121	0.009198586	2.8235883	0	0	0	0	154172.35	10001	1.18	1460146		
Orange (SC)	2024 OFF - Light Commercial - Gas Compressors	Aggregate	300 Nat Gas	0	0	0.000187192	0.106107088	0.008902004	2.910073	0	0	0	0	159672.9	8000.8	0.94	1680168		
Orange (SC)	2024 OFF - Light Commercial - Gas Compressors	Aggregate	600 Nat Gas	0	0	0.000236529	0.149404409	0.012536983	4.0983498	0	0	0	0	224872.85	7000.7	0.82	2365237		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	25 Gasoline	0.353162019	0.324838426	0.38863326	19.26071786	0.251533089	33.08508503	0.021874869	0.016527679	0.000906268	0.000859322	2452088.95	34975.32	30440.29	37515161		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	25 Diesel	0.005510215	0.006613011	0.007417458	0.032544417	0.053574427	6.949113137	0.838551902	0.002028194	0.000810754	0.000531952	2127974	349885.35	1036.41	5031105		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	50 Gasoline	0.011977748	0.011017133	0.013180782	0.791912358	0.024900499	4.342426755	0.000644059	0.000486622	0.000113587	0.000140968	402394.25	181496.25	1580.17	5807880		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	50 Diesel	0.004153115	0.005188566	0.006126845	0.052080213	0.047481979	6.590554434	0.001410228	0.001047437	9.77977E-05	8.34200E-05	419231.85	53984.15	534.72	5956373		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	100 Gasoline	0.002570381	0.002366236	0.002828547	0.107364736	0.014981281	3.627395576	0.000322633	0.000243767	4.470710-05	6.36885E-05	181799.2	35040	305.17	2908320		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	100 Nat Gas	0	0	1.24402E-05	0.009415452	0.000949919	0.300023516	0	0	0	0	16341.05	2682.45	22.67	216003.4		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	175 Gasoline	0.000258103	0.000237488	0.000291848	0.012859981	0.002606124	0.747985313	5.36226E-05	4.05148E-05	7.430458-06	1.04225E-05	29751.15	3306.9	28.83	482807.4		
Orange (SC)	2024 OFF - Light Commercial - Generator Sets	Aggregate	175 Nat Gas	0	0	1.38551E-05	0.01128665	0.001301613	0.437514817	0	0	0	0	23597.25	2164.45	18.84	316009.7		
Orange (SC)	2024 OFF - Light Commercial - Pressure Washers	Aggregate	25 Gasoline	0.037958857	0.034912715	0.041760447	1.407238759	0.026016404	2.785713299	0.003858607	0.002913476	8.347256-05	6.82138E-05	194716.55	35124.1	317.73	2527975		
Orange (SC)	2024 OFF - Light Commercial - Pressure Washers	Aggregate	25 Diesel	2.79566E-05	3.32695E-05	0.025616E-05	0.000204252	0.000275165	0.038095565	1.14774E-05	1.05592E-05	5.353338-07	3.04851E-07	1211.8	4949.4	34.21	69504.8		
Orange (SC)	2024 OFF - Light Commercial - Pressure Washers	Aggregate	50 Gasoline	0.000107918	9.92631E-05	0.000118757	0.007422283	0.000077832	0.009491556	6.52160E-06	4.75210E-06	1.150098-06	1.42451E-06	4060.55	1624.67	14.12	46957.4		
Orange (SC)	2024 OFF - Light Commercial - Pressure Washers	Aggregate	50 Diesel	1.46712E-05	1.746E-05	2.11265E-05	0.000200475	0.000219224	0.036150069	5.50062E-06	5.06057E-06	4.689168-07	3.03933E-07	1208.15	1854.2	12.82	70459.6		
Orange (SC)	2024 OFF - Light Commercial - Pumps	Aggregate	25 Gasoline	0.121004191	0.111298655	0.133157751	4.077823919	0.082156204	7.697580628	0.047827019	0.03613597	0.000234711	0.000319362	552080.3	155035.3	7024.14	8601853		
Orange (SC)	2024 OFF - Light Commercial - Pumps	Aggregate	25 Diesel	0.003811569	0.003945992	0.004704865	0.017743189	0.025472664	3.280426116	0.001005704	0.000900294	4.690218-05	2.74694E-05	109291.95	215001.6	583.88	2582652		
Orange (SC)	2024 OFF - Light Commercial - Pumps	Aggregate	50 Gasoline	0.001854151	0.001702964	0.002037409	0.141067808	0.002864285	1.410454697	9.72355E-05	7.34668E-05	1.714868-05	2.17288E-05	62024.45	28787	126.28	864239.7		
Orange (SC)	2024 OFF - Light Commercial - Pumps	Aggregate	50 Diesel	0.002802029	0.003318045	0.004036614	0.035947227	0.028157424	4.427709927	0.000877554	0.000680735	5.723928-05	3.71496E-05	147671.7	94232.05	244.09	9488586		
Orange (SC)	2024 OFF - Light Commercial - Pumps	Aggregate	100 Gasoline	0.018227182	0.00266022	0.003183263	0.143997392	0.007669274	1.302893302	0.00091973	0.000279352	5.123318-05	7.33835E-05	209473.5	35339.3	160.05	3286555		
Orange (SC)	2024 OFF - Light Commercial - Pumps	Aggregate	100 Diesel	0.004153115	0.005188566	0.006126845	0.052080213	0.047481979	6.590554434	0.001410228	0.001047437	9.77977E-05	8.34200E-05	419231.85	53984.15	534.72	5956373		
Orange (SC)	2024 OFF - Light Commercial - Welders	Aggregate	25 Gasoline	0.118148966	0.108673419	0.13001573	4.903451139	0.084825069	8.024684948	0.060543911	0.045744288	0.000207243	0.000214982	613667.2	777256.1	3719.84	12132147		
Orange (SC)	2024 OFF - Light Commercial - Welders	Aggregate	25 Diesel	0.002448797	0.002961875	0.003583868	0.014282744	0.022229563	2.883566803	0.000393094	0.000856209	3.977288-05	2.41512E-05	95035.95	245426	382.13	3733640		
Orange (SC)	2024 OFF - Light Commercial - Welders	Aggregate	50 Gasoline	0.004425235	0.004078212	0.004885958	0.298096618	0.006785585	2.830203326	0.000335099	0.000247408	3.440778-05	4.95208E-05	125457.8	59184.9	250.93	2346147		
Orange (SC)	2024 OFF - Light Commercial - Welders	Aggregate	50 Diesel	0.009831171	0.011699906	0.014156886	0.110402955	0.083225194	12.56167201	0.002844771	0.002617189	0.000162391	0.000105661	420009.15	353575.5	550.57	16264473		
Orange (SC)	2024 OFF - Light Commercial - Welders	Aggregate	100 Gasoline	0.001251821	0.002993525	0.003578431	0.112604987	0.009248581	6.44426295	0.000397751	0.001240164	4.29228-05	6.18012E-05	176411.8	53195.1	476.61	5729507		
Orange (SC)	2024 OFF - Light Commercial - Welders	Aggregate	175 Gasoline	0.000288445	0.000265348	0.000317746	0.018223999	0.002913284	0.953140473	3.96543E-05	2.99611E-05	5.494878-06	7.72196E-06	22042.35	3668.25	17.65	476872.5		
Orange (SC)	2024 OFF - Military - A/C unit	Aggregate	25 Diesel	4.38757E-05	5.22158E-05	6.31811E-05	0.000834492	0.000587187	0.142059957	2.59455E-06	2.65210E-06	1.67699E-06	1.19661E-06	4768.65	1372.4	4.55	138612.4		
Orange (SC)	2024 OFF - Military - A/C unit	Aggregate	300 Diesel	2.28374E-05	2.71784E-05	3.28858E-05	0.000215699	0.000259169	0.122909778	7.46437E-06	6.86722E-06	1.382956-06	1.02198E-06	4062.45	573.05	1.91	119194.4		
Orange (SC)	2024 OFF - Military - A/C unit	Aggregate	600 Diesel	1.32678E-05	1.57898E-05	1.91057E-05	0.000126804	0.000144018	0.071589288	4.347EE-06	3.99979E-06	7.223028-07	6.08783E-07	2419.95	226.3	0.75	71284.5		
Orange (SC)	2024 OFF - Military - Aircraft Support	Aggregate	25 Diesel	0.000107918	9.56924E-05	0.000115757	0.007422283	0.000077832	0.009491556	6.52160E-06	4.67544E-06	1.156378-06	1.42451E-06	4060.55	872.35	168.65	46957.4		
Orange (SC)	2024 OFF - Military - Aircraft Support	Aggregate	50 Diesel	1.46712E-05	1.746E-05	2.11265E-05	0.000200475	0.000219224	0.036150069	5.50062E-06	5.06057E-06	4.689168-07	3.03933E-07	1208.15	1854.2	12.82	70459.6		
Orange (SC)	2024 OFF - Military - Cart	Aggregate	25 Diesel	0.121004191	0.111298655	0.133157751	4.077823919	0.082156204	7.697580628	0.047827019	0.03613597	0.000234711	0.000319362	552080.3	155035.3	7024.14	8601853		
Orange (SC)	2024 OFF - Military - Cart	Aggregate	50 Diesel	0.003811569	0.003945992	0.004704865	0.017743189	0.025472664	3.280426116	0.001005704	0.000900294	4.690218-05	2.74694E-05	109291.95	215001.6	583.88	2582652		
Orange (SC)	2024 OFF - Military - Cart	Aggregate	100 Diesel	0.004153115	0.005188566	0.006126845	0.052080213	0.047481979	6.590554434	0.001410228	0.001047437	9.77977E-05	8.34200E-05	419231.85	53984.15	534.72	5956373		
Orange (SC)	2024 OFF - Military - Communications	Aggregate	25 Diesel	0.000182476	0.000455175	0.000550762	0.002072217	0.00347441	0.450795446	0.000130947	0.000120471	6.09193E-06	3.84644E-06	15289.85	15390.65	25.85	3572511		
Orange (SC)	2024 OFF - Military - Communications	Aggregate	50 Diesel	0.002048726	0.002551284	0.003087409	0.011615188	0.019483564	2.528172579	0.000734139	0.000675468	3.413598-05	2.15568E-05	85703.65	86281.8	144.94	2002866		
Orange (SC)	2024 OFF - Military - Communications	Aggregate	100 Diesel	0.004153115	0.005188566	0.006126845	0.052080213	0.047481979	6.590554434	0.001410228	0.001047437	9.77977E-05	8.34200E-05	419231.85	53984.15	534.72	5956373		
Orange (SC)	2024 OFF - Military - Compressor (Military)	Aggregate	25 Diesel	0.000182476	0.000455175	0.000550762	0.002072217	0.00347441	0.450795446	0.000130947	0.000120471	6.09193E-06	3.84644E-06	15289.85	15390.65	25.85	3572511		
Orange (SC)	2024 OFF - Military - Compressor (Military)	Aggregate	50 Diesel	0.002048726	0.002551284	0.003087409	0.011615188	0.019483564	2.528172579	0.000734139	0.000675468	3.413598-05	2.15568E-05	85703.65	86281.8	144.94	2002866		
Orange (SC)	2024 OFF - Military - Compressor (Military)	Aggregate	100 Diesel	0.004153115	0.005188566	0.006126845	0.052080213	0.047481979	6.590554434	0.001410228	0.001047437	9.77977E-05	8.34200E-05	419231.85	53984.15	534.72	5956373		
Orange (SC)	2024 OFF - Military - Crane	Aggregate	25 Diesel	0.000182476	0.000455175	0.000550762	0.002072217	0.00347441	0.450795446	0.000130947	0.000120471	6.09193E-06	3.84644E-06	15289.85	15390.65	25.85	3572511		
Orange (SC)	2024 OFF - Military - Crane	Aggregate	50 Diesel	0.002048726	0.002551284	0.003087409	0.011615188	0.019483564	2.528172579	0.000734139	0.000675468	3.413598-05	2.15568E-05	85703.65	86281.8	144.94	2002866		
Orange (SC)	2024 OFF - Military - Crane	Aggregate	100 Diesel	0.004153115	0.005188566	0.006126845	0.052080213	0.047481979	6.590554434	0.001410228	0.001047437	9.77977E-05	8.34200E-05	419231.85	53984.15	534.72	5956373		
Orange (SC)	2024 OFF - Military - Deicer	Aggregate	100 Diesel	1.85575E-06	2.20849E-06	2.67227E-06	3.52953E-05	2.48354E-05	0.003604546	1.08046E-06	9.94023E-07	7.092918-08	4.77477E-08	189.8	58.4	0.16	6424		
Orange (SC)	2024 OFF - Military - Generator (Military)	Aggregate	50 Diesel	7.70081E-06	9.16266E-06	1.10862E-05	9.15966E-05	8.92715E-05	0.014094644	2.65381E-06	2.46144E-06	1.827718-07	1.17533E-07	467.2	1.19	13592.6	3577		
Orange (SC)	2024 OFF - Military - Generator (Military)	Aggregate	100 Diesel	0.000235241	0.000279956	0.000338747	0.004474156	0.003148222	0.776482055	0.000116963	0.000116006	8.991238-06	6.40922E-06	25477	8957.1	29.85	743493.3		
Orange (SC)	2024 OFF - Military - Generator (Military)	Aggregate	175 Diesel	0.000255513	0.00030408	0.000367937	0.005917273	0.002851444	0.992871868	0.000120469	0.000110846	1.229618-05	1.03613E-05	34251.8	7223.35	24.03	1063832		
Orange (SC)	2024 OFF - Military - Generator (Military)	Aggregate	300 Diesel	8.14247E-05	9.69021E-05	0.000117253	0.000769056	0.000924044	0.438223387	2.66135E-05	2.44844E-05	4.930766-06	3.63617E-06	1454	1908.95	6.34	425695.9		
Orange (SC)	2024 OFF - Military - Generator (Military)	Aggregate	600 Diesel	5.00095E-05	5.95148E-05	7.20132E-05	0.00047795	0.000543831	0.277371521	1.63869E-05	1.50756E-05	2.724998-06	2.30107E-06	9146.9	777.45	2.57	270552.6		
Orange (SC)	2024 OFF - Military - Generator (Military)	Aggregate	750 Diesel	2.66858E-05	3.17585E-05	3.84275E-05	0.253866E-05	2.92698E-05	0.014047479	8.76388E-07	8.04911E-07	1.212888-07	1.48E-07	481.8	0.07	0	0		
Orange (SC)	2024 OFF - Military - Hydraulic unit	Aggregate	100 Diesel	2.68451E-05	3.19478E-05	3.86569E-05	0.000510578	0.000359266	0.08746878	1.56298E-05	1.43794E-05	1.026056-06	7.29071E-07	2898.1	886.95	2.97	84260.25		
Orange (SC)	2024 OFF - Military - Lift (Military)	Aggregate	25 Diesel	8.01345E-07	9.53625E-07	1.15369E-06	1.52411E-05	1.07244E-05	0.000301098	4.66562E-07	4.29237E-07	1.062858-08	1.56098E-08	62.05	0.07	0	0		
Orange (SC)	2024 OFF - Military - Tent	Aggregate	50 Diesel	1.87641E-06	2.23309E-06	2.70204E-06	2.23189E-05	2.17523E-05	0.003435533	6.47358E-07	5.96020E-07	4.441286-08	2.91832E-08	116.8	58.4	0.17	2920		
Orange (SC)	2024 OFF - Military - Other tactical support equipment	Aggregate	100 Diesel	3.75283E-07	4.46618E-07	5.40407E-07	4.46177E-06	4.35046E-06	0.000687207	1.29572E-07	1.19206E-07	8.882586-09	0	0	0	0	0		
Orange (SC)	2024 OFF - Military - Other tactical support equipment	Aggregate	100 Diesel	5.33105E-06	6.34439E-06	7.67672E-06	0.000101394	7.13452E-05	0.017170076	3.10387E-06	2.85556E-06	2.03760-07	1.45188E-07	576.7	211.7	0.7	16724.3		
Orange (SC)	2024 OFF - Military - Other tactical support equipment	Aggregate

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	Equipment Type	Horsepower HP	Gas				Diesel				Natural Gas			
			Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	170141.1	1164.99	563136.6	0.302131135	8105.05	18.34	14921.2	0.54721135	0	0	0	0
Air Compressors50	Air Compressors	50	52293.55	48.28	23334.45	2.241044893	91947.15	110.75	90122.15	1.020250294	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	284032.05	156.52	75668.15	3.753653948	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	34839.25	10.51	5095.4	6.837391255	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	34762.6	107.12	40208.4	0.864560639	2942.2	160.39	64042.9	0.045920951	54297.4	122.45	45949.85	1.181666514
Aerial Lifts50	Aerial Lifts	50	73288.35	127.9	46212.65	1.585893687	123769.914	486.9597282	151383.7677	0.817590392	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	138031.052	390.4410868	121019.7505	1.140561424	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	131681.05	127.9	46212.65	2.849458968	77932.8089	199.4719415	61963.36999	1.257723852	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	13198.84279	20.45276582	6348.455084	2.079063749	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	788.7135999	0.689439155	215.1927294	3.665242855	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	560.1151647	0.229808384	71.73090847	7.808503805	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	4412.897	27.23	3365.3	1.311279826	3660.95	6.8	5535.35	0.663798809	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	682.55	2.49	273.75	2.493333333	2874.666832	6.83631777	2499.715678	1.149997532	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	1301.753222	2.302725984	761.7449261	1.708954991	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	7862.1	11.5	1226.4	6.410714286	16512.88405	18.56572826	7806.091137	2.115384481	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	2741.15	2.82	295.65	9.271604938	20903.56215	16.47688264	5358.982388	3.900653863	0	0	0	0
Bore/Drill rigs300	Bore/Drill rigs	300	0	0	0	0	30388.85937	16.6967593	5575.658756	5.399467582	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	43324.60012	13.38459479	4351.682172	9.955822607	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	34764.92384	9.382128792	2088.232242	16.64800797	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	15614.44894	0.431761122	323.4946019	48.26801852	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	14493.55	4102.51	3777649.05	0.183853631	919.84	94.75	24644.45	0.33504074	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	130275.8	577.45	164100.35	0.793878887	306.6	0.67	197.85	0.770642202	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	157731.65	9.33	5701.3	2.766325234	4756.55	5.95	3468.2	1.378691983	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	15388.4	5.35	3265.75	4.710614525	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	55.22956152	0.271328152	133.4125255	0.413975804	0	0	0	0
Cranes50	Cranes	50	2299.5	2.82	1186.25	1.938461538	894.8059492	2.892019622	1207.749662	0.689508443	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	488.3494198	1.35566078	477.5489684	1.022597581	0	0	0	0
Cranes100	Cranes	100	7825.6	5.88	2354.25	3.324031008	21121.36207	34.52365137	16054.2587	1.315623781	0	0	0	0
Cranes175	Cranes	175	507.35	0.18	87.6	5.791666667	60888.47915	59.46744138	27676.81145	2.199743077	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	103826.6314	65.63130128	31847.83918	3.260083998	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	189065.2751	66.41407038	34732.16186	5.443678469	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	3676.29278	0.003760503	389.9506011	9.427585902	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	10277.02662	1.446018811	735.8899116	13.96544402	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	2897.981424	8.022119498	2812.030598	1.030561595	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	502.4550725	1.443801569	319.9254252	1.570518109	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	127521.8526	136.3590314	65608.71364	1.943672562	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	139654.8478	90.55840913	42173.11719	3.311469714	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	146340.3848	69.70352842	32158.10518	4.550653156	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	511936.2858	121.2846069	55921.87214	8.543190851	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	5159.124784	0.882320145	378.1878078	13.66178844	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	29740.43406	2.406335849	1368.460084	21.73277454	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	1945.49	6.86	1974.65	0.985212569	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	6099	3.31	795.7	7.614678899	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	11884.6	271.41	40785.1	0.140431144	938.4	4.08	2704.65	0.34688361	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	646.05	2.04	270.1	2.391891892	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	6593.973163	6.460743175	8834.158484	0.747009892	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	115565.8225	196.1870484	147433.6581	0.786562738	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	8876.390445	8.117503329	6034.528259	1.470033612	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	141333.513	131.4168353	88030.3609	1.605598772	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	317578.0878	180.9164433	109993.9312	2.887232806	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	404407.9917	155.3208784	93562.39093	4.321202698	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	717884.3058	163.5561804	107697.9511	6.666684146	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	10485.16191	1.446588573	862.5682813	12.15433804	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	2052.358624	1.205573811	840.5050534	23.80952564	0	0	0	0
Forklifts25	Forklifts	25	1511.1	2.45	2211.9	0.683368317	34.15139116	0.186209234	58.99668146	0.578259494	1438.1	1.17	1470.95	0.977667494
Forklifts50	Forklifts	50	1226108	427.72	768996.6	1.594525775	86777.16898	236.7634783	173020.4037	0.501542981	191147.7	755.47	141309.75	1.352092758
Forklifts75	Forklifts	75	0	0	0	0	4794.445787	15.32152413	6397.307126	0.749447493	0	0	0	0
Forklifts100	Forklifts	100	5692065.1	1513.2	2701681.4	2.10520979	1259853.6	1941.196868	1287597.12	0.978778421	1197287.6	2791.8	502997.8	2.380494509
Forklifts175	Forklifts	175	3084883.75	55.32	98798.2	4.033360426	372509.6553	355.0774319	237170.1086	1.570643374	898619.05	102.18	184051.25	4.882439269
Forklifts300	Forklifts	300	0	0	0	0	73400.11378	64.80158113	12605.8206	2.251135301	0	0	0	0
Forklifts600	Forklifts	600	0	0	0	0	18875.51078	6.994561825	6878.277205	3.869298851	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	268.0949328	0.093106617	20.64883851	12.98353574	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	1381.347103	0.180569985	151.0573405	9.144522179	0	0	0	0
Generator Sets25	Generator Sets	25	2463338.85	30598.23	3515647.15	0.700638814	213791.45	1041.79	351692.1	0.607803808	0	0	0	0
Generator Sets50	Generator Sets	50	404398.1	1588.34	182434.3	2.216678004	253333.6	537.45	181428.8	1.396505451	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	1826536.95	306.77	35218.85	5.186340533	0	0	0	0	16603.1	22.8	2617.05	6.26778242
Generator Sets175	Generator Sets	175	29080.8	20	3182.45	8.97261744	0	0	0	0	23721.35	18.85	2175.75	10.9026899
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	22.27846896	0.161531273	37.90960134	0.587673523	0	0	0	0
Graders50	Graders	50	0	0	0	0	745.0238917	2.342203464	848.0377819	0.878526768	0	0	0	0
Graders75	Graders	75	0	0	0	0	256.6041883	0.684593382	168.7924898	1.520245158	0	0	0	0
Graders100	Graders	100	0	0	0	0	17354.99754	21.72595627	9253.449364	1.875510563	0	0	0	0
Graders175	Graders	175	0	0	0	0	193562.8543	129.1442513	61449.18918	3.149960961	0	0	0	0
Graders300	Graders	300	0	0	0	0	400515.5398	113.152657	88100.77612	4.546106822	0	0	0	0
Graders600	Graders	600	0	0	0	0	25181.45227	4.361343824	3591.366008	7.011664169	0	0	0	0
Graders750	Graders	750	0	0	0	0	0	0	0	0	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	13878.23826	0.484591932	362.7001108	38.26367258	0	0	0	0
Pavers25	Pavers	25	11877.1	26.64	10559.45	1.124783961	1777.55	2.53	2095.1	0.848413056	0	0	0	0
Pavers50	Pavers	50	7383.95	8.09	3182.8	2.319954128	3178.377289	9.411991507	3430.498508	0.926505952	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	5240.007148	8.760902144	3407.673308	1.537798187	0	0	0	0
Pavers100	Pavers	100	6632.05	4.42	1744.7	3.80125523	25407.39814	36.78520014	14613.28122	1.738651145	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	41940.90003	31.11800522	12346.40796	3.397012412	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	31882.01447	14.6870203	6770.70861	4.708814869	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	6913.412319	1.960831564	888.8021917	7.778347514	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	1229.395628	0.156865529	76.28874878	16.11278884	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment25	Paving Equipment	25	252087.25	2916.71	551763.2	0.456875794	2102.4	4.42	3668.25	0.573134328	0	0	0	0
Paving Equipment50	Paving Equipment	50	8606.7	22.09	1869	2.224528302	3960.136256	11.58945519	5608.633862	0.706078585	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	4574860.257	11.17460645	3703542.215	1.235283422	0	0	0	0
Paving Equipment100	Paving Equipment	100	3555.1	5.71	1003.75	3.541818182	16911.32874	21.53446065	10326.03512	1.637736892	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	17530.63459	11.86038195	6540.940483	2.6801397	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	11586.39663	5.794737958	2751.89421	4.210376543	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	13282.97644	3.758742223	1838.241074	7.225916661	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	2458.523603	0.301595648	209.7827728	11.71917794	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	1161.437718	0.156614259	74.98149044	15.4886616	0	0	0	0
Rollers25	Rollers	25	58741.1	315.59	78588.15	0.747480177	38820.45559	146.0106783	101521.7843	0.382387425	0	0	0	0
Rollers50	Rollers	50	9661.55	5.48	3580.5	2.728855979	65264.9016	237.9200545	84625.27803	0.771222398	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	651.4146756	2.010957905	473.3576876	1.376139964	0	0	0	0
Rollers100	Rollers	100	30112.5	10.7	6653.95	4.525507405	101283.5181	175.4753796	59807.70248	1.693486188	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	105415.1784	102.6228182	37811.33875	2.787929049	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	17822.74019	13.31192217	4225.474713	4.217927524	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	9842.485439	4.598666024	1436.545911	6.851493824	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	0	0	0	0	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	34.11539116	0.186209234	58.99668146	0.578259494	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	1554.6	1.33	467.2	3.328125	3286.051013	10.61392636	2979.273167	1.10082713	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	110.3295821	0.372418469	85.32668189	1.293025581	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	34064.5	16.16	6679.5	5.098360656	261248.9412	489.7884055	130309.2478	2.004869807	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	1912.6	0.6	213.6	8.1875	55381.75934	74.48369374	21136.21665	2.620238491	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	4326.361049	3.817289304	982.2547458	4.404801204	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	1425.097978	0.65173233	171.4183358	8.313575287	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	268.0949328	0.093106617	20.64883851	12.98353574	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	2877.76851	3.147069593	3070.250958	0.937317976	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	3561.384678	2.993554003	2394.087788	1.486410197	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	85763.84724	5.680076828	4975.128143	1.722959346	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	13012.41229	5.526561236	4462.47876	2.915968314	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	13320.01303	4.144920927	2981.44091	4.467642105	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	145701.5041	25.8677904	19283.93579	7.558702655	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	5395.210692	0.383788975	396.3125008	13.61352631	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Scrapers25	Scrapers	25	0	0	0	0	23.17754987	0.079104296	33.41682436	0.693589241	0	0	0	0
Scrapers50	Scrapers	50	0	0	0	0	184.4752268	0.474622727	174.6029274	1.056542216	0	0	0	0
Scrapers75	Scrapers	75	0	0	0	0	1680.931993	2.135815996	1001.483602	1.678441753	0	0	0	0
Scrapers100	Scrapers	100	0	0	0	0	7626.402738	5.695509323	3342.239388	2.282422809	0	0	0	0
Scrapers175	Scrapers	175	0	0	0	0	87532.76019	47.06705622	20937.49697	4.180569755	0	0	0	0
Scrapers300	Scrapers	300	0	0	0	0	127834.8452	54.26556716	23537.04743	5.431218406	0	0	0	0
Scrapers600	Scrapers	600	0	0	0	0	143247.589	27.72232451	13614.9871	10.52402545	0	0	0	0
Scrapers750	Scrapers	750	0	0	0	0	34773.45204	4.429840584	2268.816727	15.32669842	0	0	0	0
Scrapers9999	Scrapers	9999	0	0	0	0	19407.10008	2.0567117	838.5766411	19.83883918	0	0	0	0
Skid Steer Loaders25	Skid Steer Loaders	25	192329.45	551.08	175955.55	1.093057027	171093.75	326.53	272582	0.627678098	0	0	0	0
Skid Steer Loaders50	Skid Steer Loaders	50	45975.4	77.64	24082.7	1.909083333	49386.9382	164.7336638	53277.65547	0.926972736	0	0	0	0
Skid Steer Loaders75	Skid Steer Loaders	75	0	0	0	0	26276.7809	51.36303112	19470.4028	1.349537505	0	0	0	0
Skid Steer Loaders100	Skid Steer Loaders	100	61495.2	46.45	14413.85	4.266396556	92.81916301	0.245017844	57.50297088	1.614162796	0	0	0	0
Skid Steer Loaders175	Skid Steer Loaders	175	0	0	0	0	1772.787518	2.305160597	611.8316548	2.897647597	0	0	0	0
Skid Steer Loaders300	Skid Steer Loaders	300	0	0	0	0	1647.137452	1.188414495	420.8259393	3.914058516	0	0	0	0
Skid Steer Loaders600	Skid Steer Loaders	600	0	0	0	0	475.5940819	0.163345228	52.71106048	9.022661169	0	0	0	0
Skid Steer Loaders750	Skid Steer Loaders	750	0	0	0	0	0	0	0	0	0	0	0	0
Skid Steer Loaders9999	Skid Steer Loaders	9999	0	0	0	0	641.7821287	0.163345229	33.83001703	19.02940217	0	0	0	0
Surfacing Equipment25	Surfacing Equipment	25	123074.35	787.16	336800.1	0.365425546	0	0	0	0	0	0	0	0
Surfacing Equipment50	Surfacing Equipment	50	0	0	0	0	457.4913882	2.889658838	721.7313618	0.632114496	0	0	0	0
Surfacing Equipment75	Surfacing Equipment	75	0	0	0	0	278.7901329	1.111409168	277.1811126	1.005883494	0	0	0	0
Surfacing Equipment100	Surfacing Equipment	100	0	0	0	0	2647.828742	6.964830788	2030.954188	1.416157941	0	0	0	0
Surfacing Equipment175	Surfacing Equipment	175	0	0	0	0	2331.047419	2.074487584	1082.289127	2.153782702	0	0	0	0
Surfacing Equipment300	Surfacing Equipment	300	0	0	0	0	4689.948832	5.112482175	1277.486973	3.514677776	0	0	0	0
Surfacing Equipment600	Surfacing Equipment	600	0	0	0	0	16066.39966	8.743085458	2556.361066	6.284871055	0	0	0	0
Surfacing Equipment750	Surfacing Equipment	750	0	0	0	0	7055.399316	2.299012281	706.7770581	9.982499387

Orange (SC)	2025 Agricultural - Combine Harvesters	Aggregate	300 Diesel	8.50527E-05	0.000102914	0.000122476	0.000404873	0.001003819	0.026474567	3.874066E-05	3.56414E-05	2.438616-07	2.17531E-07	6.113.860168	1129.547109	3.013415565	265139.6444		
Orange (SC)	2025 Agricultural - Combine Harvesters	Aggregate	400 Diesel	1.468171E-05	1.80606E-05	2.142976-05	0.000121786	0.000140934	0.007989145	6.388181E-06	5.870358E-06	7.391455E-08	6.5645E-08	1851.041686	211.7268574	0.516218421	76521.88638		
Orange (SC)	2025 Agricultural - Construction Equipment	Aggregate	50 Diesel	0.000140846	0.000170423	0.000202818	0.000551357	0.000504574	0.007932807	1.917585E-05	1.62257E-05	6.960916E-08	6.51808E-08	1837.942399	1777.944592	4.550361556	788072.2684		
Orange (SC)	2025 Agricultural - Construction Equipment	Aggregate	75 Diesel	9.88866E-05	0.000119629	0.000142368	0.000548824	0.000484257	0.012808351	5.78245E-05	5.31981E-05	1.170866-07	1.05981E-07	2986.401175	2022.20869	5.518968331	1274224.657		
Orange (SC)	2025 Agricultural - Construction Equipment	Aggregate	100 Diesel	0.000189763	0.000229614	0.000273259	0.001394819	0.001408814	0.031147528	0.000124126	0.000114196	2.842131-07	2.55927E-07	7216.532598	3666.400358	7.605283369	309031.5133		
Orange (SC)	2025 Agricultural - Construction Equipment	Aggregate	175 Diesel	0.000369462	0.000447049	0.000532021	0.002985861	0.003139953	0.067159799	0.000191415	0.00017611	6.13820E-07	5.51663E-07	15555.53455	6067.604181	10.08858698	742633.3285		
Orange (SC)	2025 Agricultural - Construction Equipment	Aggregate	300 Diesel	0.000203883	0.000246972	0.00029355	0.000841689	0.002082229	0.044922773	8.88424E-05	8.17496E-05	1.691136-07	1.04081E-07	10408.10228	2514.036986	4.529554466	494404.2516		
Orange (SC)	2025 Agricultural - Construction Equipment	Aggregate	600 Diesel	2.329060E-05	2.81816E-05	3.353845E-05	9.7704SE-05	0.000211898	0.004345481	9.172038E-06	8.43831E-06	3.974698E-08	3.57051E-08	1006.799077	137.1659514	0.155471608	48426.65569		
Orange (SC)	2025 Agricultural - Cotton Pickers	Aggregate	100 Diesel	1.989795E-05	2.40764E-05	2.865296E-05	1.32121E-05	1.954475E-05	0.000825585	1.487786E-06	1.368766E-06	7.624455E-09	6.7835E-09	191.2788068	82.17569423	0.182360822	7395.81248		
Orange (SC)	2025 Agricultural - Cotton Pickers	Aggregate	175 Diesel	6.087555E-06	7.36593E-06	8.766076E-06	0.000101902	6.02888E-05	0.00259119	1.499388E-06	3.21943E-06	2.393496-08	2.12908E-08	600.3496006	208.3673879	0.457614131	25514.07781		
Orange (SC)	2025 Agricultural - Cotton Pickers	Aggregate	300 Diesel	7.137316E-06	8.63598E-06	1.027635E-05	4.493E-06	6.45473E-05	0.003833888	3.07911E-06	2.83278E-06	2.74982E-08	2.44592E-08	773.4669557	134.5998315	0.282537774	32423.31626		
Orange (SC)	2025 Agricultural - Cotton Pickers	Aggregate	600 Diesel	1.225456E-05	1.48288E-05	1.764656E-05	7.6845E-05	0.000127804	0.005831753	5.322822E-06	4.897E-06	5.391156E-08	4.79172E-08	1351.151736	178.9431551	0.389785317	57965.86496		
Orange (SC)	2025 Agricultural - Forage & Silage Harvesters	Aggregate	100 Diesel	5.657416E-07	6.84549E-07	8.1467E-07	4.38633E-06	4.932515E-06	0.000101	4.008399E-07	2.68772E-07	9.30069E-10	8.36042E-10	23.57438651	11.39381666	0.031110994	911.5053168		
Orange (SC)	2025 Agricultural - Forage & Silage Harvesters	Aggregate	175 Diesel	5.277312E-07	6.38316E-07	7.597264E-07	2.27E-06	4.587216E-06	0.000244993	2.425688E-07	2.24538E-07	6.191356-09	5.56359E-09	153.9312952	11.56356369	0.028801394	1449.991291		
Orange (SC)	2025 Agricultural - Forage & Silage Harvesters	Aggregate	300 Diesel	4.7477E-06	5.74472E-06	6.83669E-06	2.8458BE-05	5.37408E-05	0.00183955	2.140545E-06	1.96913E-06	1.697958-08	1.51153E-08	426.2100725	43.42954568	0.10070644	18520.49198		
Orange (SC)	2025 Agricultural - Forage & Silage Harvesters	Aggregate	600 Diesel	7.183976E-06	8.6946E-06	1.034626E-05	4.45E-05	5.48833E-05	0.003058838	3.237605E-06	2.97E-06	3.570458-08	3.17148E-08	894.2810521	63.22901879	0.139460691	38254.57668		
Orange (SC)	2025 Agricultural - Haying Equipment	Aggregate	9999 Diesel	4.62915E-06	5.60121E-06	6.6659E-06	3.67713E-05	0.000103345	0.002194727	2.117585E-06	1.96657E-06	2.215015E-08	1.96765E-08	554.813295	27.73163107	0.060771986	23849.20272		
Orange (SC)	2025 Agricultural - Forklifts	Aggregate	50 Diesel	1.191476E-05	1.44168E-05	1.716225E-05	5.36384E-05	0.000145604	0.003851557	1.32163E-06	7.23488E-06	1.492484-08	1.38.9312277	244.7133887	0.485935936	1.063.327128			
Orange (SC)	2025 Agricultural - Forklifts	Aggregate	75 Diesel	1.007676E-06	1.21928E-06	1.451058E-06	6.20186E-06	8.45122E-06	0.00013156	5.520175E-07	5.078566E-07	1.394276-09	1.08098E-09	30.48106527	20.11582555	0.023906823	1307.398661		
Orange (SC)	2025 Agricultural - Forklifts	Aggregate	100 Diesel	3.826786E-06	4.63041E-06	5.510767E-06	2.46484E-06	2.74138E-05	5.228688E-05	2.329988E-07	2.14358E-07	4.75381-10	4.2962E-10	12.11439851	6.709685516	0.002796894	519.60716		
Orange (SC)	2025 Agricultural - Hay Squeeze/Stack retriever	Aggregate	75 Diesel	5.810E-07	7.03119E-07	8.369225E-07	2.5E-06	5.05387E-06	0.000270004	4.288707E-06	5.29258E-05	3.465182-07	3.18707E-06	4.72747E-10	13.32252001	0.014990514	544.2287795		
Orange (SC)	2025 Agricultural - Hay Squeeze/Stack retriever	Aggregate	100 Diesel	1.246582E-06	1.50836E-06	1.795076E-06	6.28535E-06	8.742916E-06	0.000125289	7.938555E-07	7.30346E-07	1.123718-09	1.02945E-09	29.02813665	15.30051994	0.026054669	1185.78983		
Orange (SC)	2025 Agricultural - Hay Squeeze/Stack retriever	Aggregate	175 Diesel	1.662976E-06	2.01228E-06	2.394648E-06	7.7785E-06	1.166505E-05	0.000277107	1.645791E-06	1.513819E-06	1.497681-09	1.37264E-09	38.70684E-08	481.2427283	1.607.276731	1584.23		
Orange (SC)	2025 Agricultural - Hay Squeeze/Stack retriever	Aggregate	300 Diesel	3.602668E-05	4.35924E-05	5.187966E-05	0.000124784	0.000363159	0.005468376	1.547831E-05	1.42398E-05	4.98162E-08	4.49135E-08	1266.961292	242.1904467	0.410198788	57442.92067		
Orange (SC)	2025 Agricultural - Hay Squeeze/Stack retriever	Aggregate	600 Diesel	8.554546E-06	1.03515E-05	1.231369E-05	5.40072E-05	8.4719E-05	0.001393871	3.613238E-06	3.32417E-06	1.124178-08	1.04529E-08	322.9443735	45.41022197	0.077669102	14386.36205		
Orange (SC)	2025 Agricultural - Nut Harvester	Aggregate	50 Diesel	2.639233E-05	3.19347E-05	3.800496E-05	0.000322085	0.000356358	0.007887086	9.529255E-06	8.766916E-06	7.26174E-08	6.48051E-08	1827.349306	1767.521234	4.561443238	70890.81724		
Orange (SC)	2025 Agricultural - Nut Harvester	Aggregate	75 Diesel	1.666154E-05	2.01604E-05	2.399225E-05	0.000294328	0.000278994	0.007586204	7.674344E-06	7.057716E-06	7.010888E-08	6.23232E-08	1757.638386	1648.204155	2.666591559	68508.21261		
Orange (SC)	2025 Agricultural - Nut Harvester	Aggregate	100 Diesel	1.146786E-05	1.38934E-05	1.653229E-05	0.000205033	0.000264854	0.005429156	5.929415E-06	5.45443E-06	7.11.0E-08	6.11.0E-08	1723.2246	1498.066	2.380736477	68273.86737		
Orange (SC)	2025 Agricultural - Nut Harvester	Aggregate	175 Diesel	4.198464E-05	5.08036E-05	6.046059E-05	0.000928601	0.000389915	0.024100354	2.195454E-05	2.019385E-05	2.230505E-07	1.98023E-07	5583.781615	1894.689606	3.85418619	234256.589		
Orange (SC)	2025 Agricultural - Nut Harvester	Aggregate	300 Diesel	2.164464E-05	2.61932E-05	3.116852E-05	0.000478582	0.000201918	0.012437045	1.131270E-05	1.040922E-05	1.149708-07	1.02037E-07	2877.2945	976.5112944	1.985.08.2	120.7188		
Orange (SC)	2025 Agricultural - Nut Harvester	Aggregate	600 Diesel	1.66750E-05	2.01768E-05	2.401212E-05	0.000157411	0.000161359	0.012315581	6.874076E-06	6.32414E-06	1.141276-07	1.01192E-07	2853.381987	377.3892096	0.881676357	122651.4911		
Orange (SC)	2025 Agricultural - Nut Harvester	Aggregate	75 Diesel	1.389246E-05	1.68108E-05	2.000E-05	8.41931E-05	0.000233199	0.00134577	4.624427E-06	4.18707E-06	1.03.0E-08	9.16.0E-09	258.1.0E-08	1.0E-08	0.000.0E-08	0.0E-08		
Orange (SC)	2025 Agricultural - Other Harvesters	Aggregate	75 Diesel	2.05415E-05	2.48853E-05	2.95798E-05	0.000209305	0.000193882	0.004695871	9.213223E-06	8.47617E-06	4.309060E-08	3.85841E-08	1087.980583	631.5326069	0.451455185	42430.60106		
Orange (SC)	2025 Agricultural - Other Harvesters	Aggregate	100 Diesel	5.687084E-06	6.88134E-06	8.18936E-06	0.000057588	0.000069592	0.001236178	3.537031E-06	3.25404E-06	1.214981-07	1.08757E-07	3066.45792	1385.124409	1.150521736	118616.6868		
Orange (SC)	2025 Agricultural - Other Harvesters	Aggregate	175 Diesel	2.452621E-05	5.17005E-05	3.515E-05	0.000357588	0.000369592	0.002842361	1.098402E-05	2.25735E-05	7.951998-08	7.11269E-08	2011.247546	664.3301115	0.998316839	88111.88855		
Orange (SC)	2025 Agricultural - Other Harvesters	Aggregate	300 Diesel	3.711059E-05	4.51457E-05	5.372719E-05	0.000157927	0.00013673	0.009343291	1.513111E-05	1.410465E-05	8.669048E-08	7.75179E-08	2185.819498	436.1283159	0.661330421	93268.20669		
Orange (SC)	2025 Agricultural - Other Harvesters	Aggregate	600 Diesel	1.376518E-05	1.68158E-05	1.981E-05	0.000134514	0.000133193	0.005744107	3.662E-06	3.41.0E-06	2.271046-08	1.96.0E-08	573.7.0E-08	1.0E-08	0.000.0E-08	0.0E-08		
Orange (SC)	2025 Agricultural - Others	Aggregate	50 Diesel	1.007166E-05	1.21866E-05	1.45031E-05	4.7249E-05	4.42987E-05	0.000755921	2.906810E-06	2.67427E-06	6.731676-09	6.21118E-09	175.1403585	166.9366194	0.31805347	7512.147873		
Orange (SC)	2025 Agricultural - Others	Aggregate	75 Diesel	1.912766E-05	2.31496E-05	2.754203E-05	1.38216E-05	1.768E-05	0.000311881	1.102322E-06	1.01498E-06	2.846464E-09	2.56101E-09	72.24423446	27.68268101	0.086517092	3097.424266		
Orange (SC)	2025 Agricultural - Others	Aggregate	100 Diesel	7.567BE-06	9.15704E-06	1.089766E-05	5.69301E-05	5.954564E-05	0.001281901	4.916946E-06	4.51807E-06	1.170438-08	1.05329E-08	297.0020104	146.3103445	0.293537566	12739.05689		
Orange (SC)	2025 Agricultural - Others	Aggregate	175 Diesel	2.173681E-05	2.63033E-05	3.13018E-05	0.000187582	0.000201667	0.004402471	1.674075E-06	1.08015E-05	4.032398-08	3.63734E-08	1028.009463	383.2172466	0.572446614	48607.76563		
Orange (SC)	2025 Agricultural - Others	Aggregate	300 Diesel	2.406586E-05	2.9649E-05	3.553BE-05	0.000207588	0.000202747	0.003756039	1.119470E-05	1.08.0E-05	4.46.0E-08	4.0E-08	1.0E-08	1.0E-08	0.000.0E-08	0.0E-08		
Orange (SC)	2025 Agricultural - Others	Aggregate	600 Diesel	1.000115341	0.000119563	0.000166091	0.000697376	0.000122228	0.029171395	5.187256E-05	4.77227E-05	2.680718-07	2.39706E-07	6759.148308	862.650712	1.74724824	323302.6985		
Orange (SC)	2025 Agricultural - Sprayers/Spray rigs	Aggregate	50 Diesel	2.42558E-06	2.94645E-06	3.50852E-06	1.50653E-05	0.000031918	0.000732401	1.034E-06	8.36492E-07	1.53944E-09	1.42.0E-09	401.3927849	615.0608459	0.779602129	16118.7158		
Orange (SC)	2025 Agricultural - Sprayers/Spray rigs	Aggregate	75 Diesel	6.962286E-06	8.42416E-06	1.002757E-05	4.7478BE-05	6.30022E-05	0.001606631	4.012348E-06	3.69135E-06	9.662978-09	8.714BE-09	2245.7163881	166.3029957	0.295586114	10035.37015		
Orange (SC)	2025 Agricultural - Sprayers/Spray rigs	Aggregate	100 Diesel	1.538835E-05	1.86424E-05	2.219228E-05	0.000109829	0.000139434	0.002402005	9.848404E-06	9.21744E-06	2.217446-08	1.98.0E-08	563.4681837	262.7631792	0.482.931276			
Orange (SC)	2025 Agricultural - Sprayers/Spray rigs	Aggregate	175 Diesel	2.586866E-05	3.13009E-05	3.72507E-05	0.000215016	0.000241222	0.00501005	1.38966E-05	1.27843E-05	4.585508-08	4.1165BE-08	1160.772318	431.1939966	0.772191256	51727.98346		
Orange (SC)	2025 Agricultural - Sprayers/Spray rigs	Aggregate	300 Diesel	1.131127E-05	1.36884E-05	1.629029E-05	4.9883E-05	0.000120499	0.002554677	5.186099E-06	4.771216E-06	2.336388-08	2.0925E-08	590.6965556	122.2738762	0.220803172	26065.73893		
Orange (SC)	2025 Agricultural - Sprayers/Spray rigs	Aggregate	600 Diesel	8.446022E-07	4.10605E-07	4.94227E-07	2.1678E-06	3.68118E-06	0.000078505	3.846682E-05	5.56065E-07	1.07.0E-09	9.84.0E-10	2.687684803	0.894512041	0.004012041	880.3286729		
Orange (SC)	2025 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	50 Diesel	3.505432E-06	4.24158E-06	5.047816E-06	3.1005E-06	3.250461E-05	0.000653088	1.218795E-06	1.12128E-06	5.973458-09	5.3661E-09	153.112829	124.1691575	0.286173686	5510.224779		
Orange (SC)	2025 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	75 Diesel	1.381818E-06	1.67168E-06	2.024673E-06	1.0161E-05	4.603275E-05	0.001556651	2.887860727E-07	2.71410E-06	2.371048-09	2.13163E-09	60.92.0E-08	921.5749382	1.702.693219	1025.51481		
Orange (SC)	2025 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	100 Diesel	2.203822E-05	2.66662E-05	3.17349E-05	0.000053886	0.000199013	0.008809961	1.531188E-05	1.40687E-05	8.209168-08	7.30530E-08	2059.935985	873.9805601	1.892215814	79940.7092		
Orange (SC)	2025 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	175 Diesel	1.107716E-05	1.34045E-05	1.623619E-05	0.000199217	0.000100971	0.004984017	5.980716E-06	5.49855E-06	4.469508-08	4.1655E-08	1167.4075	376.624681	0.785969698	41253.32584		
Orange (SC)	2025 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	300 Diesel	4.387996E-06	5.30947E-06	6.318718E-06	2.9528ZE-05	4.357788E-05	0.00214703	1.808899E-06	1.664286E-06	1.985108-08	1.76413E-08	497.4427307	95.74141426	0.200422786	19697.50232		
Orange (SC)	2025 AirGroup - A/C Tug Narrow Body	Aggregate	25 Diesel																
Orange (SC)	2025 AirGroup - A/C Tug Narrow Body	Aggregate	50 Diesel	2.217476E-05	2.68314E-05	3.19316E-05	0.000105387	9.06878E-05	0.009912211	8.804944E-06	8.10055E-06	9.097818-08	8.08021E-08	321.5907547	242.1092396	0.754082626	10444.37816		
Orange (SC)	2025 AirGroup - A/C Tug Narrow Body	Aggregate	75 Diesel	1.536790E-06	1.85951E-06	2.212976E-06	1.53881E-05	1.84461E-05	0.002015024	1.308945E-06	1.20078E-06	2.123248-08	1.87845E-08	74.66968624	45.02008118	0.150816525	2695.31072		
Orange (SC)	2025 AirGroup - A/C Tug Narrow Body	Aggregate	100 Diesel	4.693645E-06	5.67908E-06	6.758757E-06	0.000035704	0.000057614	0.010375462	1.102879E-06	1.01.0E-06	9.506515-07	8.4047E-07	1040.525669	1351.725131	4.021776003	120641.4679		
Orange (SC)	2025 AirGroup - A/C Tug Narrow Body	Aggregate	175 Diesel	8.496966E-05	0.000102813	0.000122359	0.000164084	0.00124438	0.281116436	6.099551E-05	5.61155E-05	2.596516-06	2.29443E-06	91205.51163	2472.343436	7.440281906	329332.6717		
Orange (SC)	2025 AirGroup - A/C Tug Narrow Body	Aggregate	300 Diesel	3.904076E-05	4.7472E-05	5.651288E-05	0.000283219	0.000282246	0.017660965	3.816611E-05	3.51048E-05	1.192.0E-06	1.05.0E-06	37.0.0E-08	1.0E-08	0.000.0E-08	0.0E-08		
Orange (SC)	2025 AirGroup - A/C Tug Narrow Body	Aggregate	750 Diesel	8.819666E-07	1.0671BE-06	1.270038E-06	1.8008E-05	4.97566E-06	0.010095634	1.702455E-07	1.566255E-07	9.331278-08	8.23992E-08	327.5417322	16.89656413	0.050272175	11827.59489		
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	25 Diesel																
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	50 Diesel	7.456616E-07	9.02195E-07	1.07369E-06	1.45912E-05	1.109465E-05	0.002153064	4.834463E-08	4.44768E-08	1.988388-08	1.7573E-08	69.85736727	46.70181853	0.114587356	2265.038619		
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	75 Diesel	1.496637E-06	1.81092E-06	2.155155E-06	1.7490E-05	1.815AE-05	0.00253568	1.226276E-06	1.12817E-06	2.193678-08	2.0695E-08	82.26735452	46.70181853	0.114587356	2965.565476		
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	100 Diesel	5.989318E-06	7.24648E-06	8.624453E-06	9.2215E-05	4.603275E-05	0.013756565	4.850425E-06	4.46106E-06	1.270578-07	1.1227BE-07	446.3165915	186.8072741	0.458349423	16088.77648		
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	175 Diesel	3.984318E-07	1.20937E-05	1.439255E-05	0.000209085	0.000118582	0.031607585	5.367326E-06	4.93796E-06	3.384318-07	2.99031E-07	1188.666104	280.2109112	0.687524134	42848.9185		
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	300 Diesel	5.138660E-05	6.2150E-05	7.398758E-05	0.000842049	0.000421996	0.040043885	6.934471998	1.482025E-06	1.834E-05	1.61.0E-05	11183.80008	2.815465176	6.911.0E-06	431513.7583		
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	600 Diesel	4.08822E-05	4.94674E-05	5.887031E-05	0.000449032	0.000488791	0.170909704	1.956145E-05	1.79965E-05	1.571156-06	1.38809E-06	5517.224236	539.3100413	1.375048269	198906.5637		
Orange (SC)	2025 AirGroup - A/C Tug Wide Body	Aggregate	750 Diesel	8.04898E-06	9.7392BE-06	1.159050E-05	2.8604BE-05	0.000179519	0.013779727	4.739622E-06	4.36045E-06	1.271598-07	1.1246BE-07	447.0680577	25.59003755	0.114587356	16121.72366		
Orange (SC)	2025 AirGroup - Baggage Tug	Aggregate	25 Diesel																
Orange (SC)	2025 AirGroup - Baggage Tug	Aggregate	50 Diesel	2.10527E-05	2.54737E-05	3.031595E-05	0.000191175	0.000152926	0.021752527	9.140198E-06	8.40897E-06	2.020481-07	1.77541E-07	705.736796	740.7176381	1.009717856	33274.22747		
Orange (SC)	2025 AirGroup - Baggage Tug	Aggregate	75 Diesel	4.945424E-06	5.98374E-06	7.121146E-06	0.000065541	0.000035858	0.015469868	2.311466E-06	2.12677E-06	4.74.0E-08	4.2.0E-08	5076.490537	4003.465798	5.359271697	266085.4225		
Orange (SC)	2025 AirGroup - Baggage Tug	Aggregate	100 Diesel	6.29652E-06	7.61878E-06	9.066999E-06	0.000100546	0.00079513	0.015396223	2.506666E-06	2.30613E-06	1.439838-06	1.2683E-06	5041.659771	2951.306777	1.987091021	264260.3985		
Orange (SC)	2025 AirGroup - Baggage Tug	Aggregate	175 Diesel	9.57456E-07	1.15852E-06	1.378176E-06	1.1167E-05	6.67652E-06	0.000795361	6.854072E-07	6.30478E-07	1.657038-08	1.46.0E-08	58.24851068	25.12203222	0.051780404	6823.559462		
Orange (SC)	2025 AirGroup - Baggage Tug	Aggregate	300 Diesel	4.45968E-06	5.39621E-06	6.421948E-06	1.8304E-05	8.91565E-05	0.008188584	2.323355E-06	2.13748E-06	7.557358-08	6.6834E-08	265.6689335	77.36165793	0.103560806	13925.09843		
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	25 Diesel																
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	50 Diesel	1.625158E-05	1.96645E-05	2.340424E-05	0.000118096	9.37897E-05	0.013497105	6.00206E-06	5.52239E-06	1.24.0E-07	1.10162E-07	437.8986974	505.6185105	0.967548807	22705.43124		
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	75 Diesel	6.020810E-06	7.28518E-06	8.669966E-06	0.000057944	0.000616074	0.082362851	4.550595E-06	4.18656E-06	7.556798-07	6.7223E-07	2672.171982	2449.08966	4.688565435	153945.0359		
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	100 Diesel	2.443E-05	3.19915E-05	3.807225E-05	0.000490644	0.000352788	0.077388301	1.979644E-05	1.82.0E-05	6.63.0E-07	2.9971E-06	1.0E-08	1.0E-08	0.000.0E-08	0.0E-08		
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	175 Diesel	4.88211E-06	5.90734E-06	7.03022E-06	4.1900E-05	4.72303E-05	0.005901828	1.366221E-06	3.09691E-06	5.441898-08	4.8169E-08	191.4783026	85.75527621	0.181453401	11038.12205		
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	300 Diesel	1.216622E-05	1.47163E-05	1.751365E-05	8.7219E-05	2.253889E-05	0.004452463	5.904777E-07	4.91288E-07	1.634078-07	1.44.0E-07	564.4552737	11.60139169	0.040474726	8326.904844		
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	600 Diesel	3.77006E-07	4.56177E-07	5.428892E-07	6.94613E-06	1.91196E-06	0.001864157	6.638655E-08	6.10755E-08	3.552988-08	3.13755E-08	124.7194489	15.80057845	0.0302359	7189.263196		
Orange (SC)	2025 AirGroup - Belt Loader	Aggregate	750 Diesel	3.92508E-06	4.74935E-06	5.652128E-06	6.0560BE-05	5.239858E-05	0.00225448	2.665501E-06	2.45266E-06	2.07.0E-08	1.8400E-08	73.14410354	6.752383954	0.030235	4232.239971		
Orange (SC)	2025 AirGroup - Bobtail	Aggregate	50 Diesel	2.706560E-07	2.38458E-07	2.837736E-07	1.5452E-06	4.1631E-06	0.000478278	1.602028E-07	1.47328E-07	4.491618-07	4.1328E-07	1.652886	29.26364966	0.060247183	1.2.0E-08		
Orange (SC)	2025 AirGroup - Bobtail	Aggregate	75 Diesel	2.586322E-06	3.12944E-06	3.724298E-06	2.2662BE-05	1.772E1E-05	0.003017663	7.039101E-07	6.47588E-07	2.782228-08	2.4629BE-08	97.90474552	101.6928883	0.249003151	4616.42617		
Orange (SC)	2025 AirGroup - Bobtail	Aggregate	100 Diesel	1.009555E-05	1.24398E-05	1.480E-05	2.3469E-05	6.9E-05	0.005975717	2.910699E-06	2.67757E-06	1.103758-08	9.7E-09	1.0E-08	1.0E-08	0.000.0E-08	0.0E-08		
Orange (SC)	2025 AirGroup - Bobtail	Aggregate	100 Diesel	1.451670E-07	1.79652E-07	2.09041E-07	8.04111E-06	3.47993E-06	0.001376692	2.318715E-08	2.13322E-08	1.227388-08	1.1236E-08	44.66524605	29.26364966	0.062250383	2341.091237		
Orange (SC)	2025 AirGroup - Bobtail	Aggregate	175 Diesel	6.13816E-06	7.42716E-06	8.618266E-06	7.5806E-06	6.47788E-05	0.001455325	4.037115E-06	3.71454E-06	1.059148-07	9.7423E-08	371.6086246	160.2201869	0.371502258	19447.39208		
Orange (SC)	2025 AirGroup - Bobtail	Aggregate	300 Diesel	9.77916E-06	1.1832E-05	1.408199E-05	0.000104903	0.000106258	0.051239399	3.815555E-06	3.510116E-06	4.734E-07	4.1820BE-07	1662.40588	423.5923934	0.933755742	87135.79118		
Orange (SC)	2025 AirGroup - Cargo Loader	Aggregate	25 Diesel	3.931564E-07	4.759E-07	5.664342E-07	9.3088E-06	7.890464E-06	0.001601749	1.021788E-07	2.78188E-08	1.479728-08	1.3073E-08	51.96698978	107.9481115	0.227129935	2698.702787		
Orange (SC)	2025 AirGroup - Cargo Loader	Aggregate	50 Diesel	2.26152E-06	4.26153E-06	5.073896E-06	1.2138E-05	1.189592E-05	0.004685512	1.164648E-06	1.07596E-06	4.992868-07	4.3976E-07	157.9515172	82.27925554	0.182.304	8202.32186		
Orange (SC)	2025 AirGroup - Cargo Loader	Aggregate	100 Diesel	5.895158E-05	7.13316E-05	8.489056E-05	0.000126164	0.000871451	0.192818262	3.265260E-05	3.00404E-05	1.781128-06	1.5739E-06	6256.42505	4198.834914	8.924628882	361106.2399		
Orange (SC)	2025 AirGroup - Cargo Loader	Aggregate	175 Diesel	5.623649E-05	6.8115E-05	8.102E-05	0.000120399	0.000826361	0.183964662	3.117264E-05	2.86.0E-05	2.870528-06	2.5355E-06	10076.01659	4492.225997	8.518876131	344787.61		
Orange (SC)	2025 AirGroup - Cargo Loader	Aggregate	300 Diesel	5.181322E-06	6.27181E-06	7.463976E-06	5.6545BE-05	4.452195E-05	0.029076955	1.578E-06	1.45178E-06	2.686758-07	2.3732E-07	943.3697241	255.2626214	0.554324837	54461.80294		
Orange (SC)	2025 AirGroup - Cargo Loader	Aggregate	600 Diesel	1.202683E-05	1.8572BE-05	2.443479E-05	5.0491E-05	1.380775E-05	0.027217582	4.916

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	Equipment Type	Horsepower HP	Gas				Diesel				Natural Gas			
			Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	1711086.85	1171.5	566312.1	0.302144966	8208.85	18.43	15008.8	0.546935798	0	0	0	0
Air Compressors50	Air Compressors	50	52698.7	48.55	23469.5	2.245412131	92432.6	111.35	90667.75	1.019689954	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	2856169.8	157.42	76091.55	3.753633618	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	35047.2	10.59	5113.65	6.853675949	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	349599.7	107.71	40438.35	0.864518458	29585.9	161.28	64400.6	0.459419833	54815.1	121.58	46376.9	1.181961278
Aerial Lifts50	Aerial Lifts	50	73722.2	128.69	46479.1	1.586147322	125209.2928	490.5481246	153144.2445	0.817503392	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	133855.8983	376.4187119	117057.8466	1.143501419	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	132432.05	128.01	46479.1	2.849301084	84619.45569	217.8413333	68052.22695	1.243493405	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	13352.33518	20.60344823	6422.282717	2.079063749	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	797.9959646	0.694596401	217.6952534	3.665243855	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	566.6288734	0.231499823	72.56503879	7.808503805	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	4431.1	27.37	3405.45	1.301378992	3712.105	6.88	5602.75	0.662540717	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	6895.85	2.49	277.6	2.486842105	2755.079055	6.486891802	2381.613672	1.15681288	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	1161.133949	1.980109687	687.3345125	1.689120747	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	7862.1	11.47	1230.05	6.391691395	15780.04377	17.75360409	7460.741745	2.115077686	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	2737.5	2.84	292	9.375	19997.07955	15.70511131	5122.983658	3.903404606	0	0	0	0
Bore/Drill rigs300	Bore/Drill rigs	300	0	0	0	0	28700.84995	15.84157765	5314.651981	5.400324807	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	39726.57274	12.42752286	4034.851533	9.845857379	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	34751.58998	9.862437725	2099.902688	16.55065945	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	14879.14517	0.409698556	308.2625284	48.26777113	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	1456695.95	4125.58	379884.7	0.183395146	9583.5	39	2882.6	0.330547112	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	131009.45	580.73	165016.5	0.793937279	308.6	0.67	401.5	0.768636364	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	15771.65	4.34	1701.1	2.765152296	4825.6	6.04	3496.7	1.379956446	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	15388.4	5.35	3266.75	4.710614525	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	52.62902095	0.257273772	127.1300598	0.413975834	0	0	0	0
Cranes50	Cranes	50	2308.8	2.84	1171.65	1.968847352	852.0852718	2.744253564	1238.54278	0.688068799	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	466.2430113	1.238368858	455.8715679	1.022753867	0	0	0	0
Cranes100	Cranes	100	7821.05	5.67	2361.55	3.312210201	20133.50478	32.75952852	15319.54758	1.31423424	0	0	0	0
Cranes175	Cranes	175	507.05	0.16	87.6	5.791666667	58002.26993	56.42871139	26353.13478	2.201342289	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	99501.30111	62.51752365	30484.27488	3.264014698	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	75997.05026	66.66147459	32960.89736	5.648573876	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	35310.92574	0.857579239	372.397839	9.427883853	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	9795.558012	1.372128792	701.5429578	13.96002698	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	2761.946713	7.611248223	2679.4638	1.031537959	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	1898.758693	3.653395146	1126.076782	1.684935348	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	120147.4376	127.1078453	61696.80981	1.947364932	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	133054.4622	85.93099241	40188.9678	3.311713986	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	139081.6871	65.91340959	30584.17364	4.547505154	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	487048.1579	117.0608979	57071.4488	8.536650098	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	6115.872174	0.989462269	450.3410219	13.58053538	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	28341.03978	2.283374668	1304.114409	21.73152957	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	1952.75	6.89	1692.9	0.97985348	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	6062.65	3.32	792.05	7.654377881	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	13939.05	274.98	41030.45	0.339980415	995	4.13	2737.5	0.346666667	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	649.7	2.04	270.1	2.405405405	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	6681.429572	6.522529398	8950.091882	0.746744414	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	110506.6112	186.1620809	140489.527	0.786582956	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	1568.780161	1.962881648	1084.112005	1.447054569	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	141673.4611	132.3192177	88554.87816	1.599381158	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	50263.8151	171.6717939	104813.4959	2.38740021	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	385613.1329	347.9534798	89160.42042	4.324936865	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	678159.4261	154.3597098	102114.135	6.641190525	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	16179.54802	2.211675684	1334.312502	12.12575315	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	19070.34994	1.143970182	800.9290106	23.81028704	0	0	0	0
Forklifts25	Forklifts	25	1518.6	2.46	2222.85	0.683087028	43.86950541	0.265094119	75.89532895	0.578029472	1456.35	1.39	1481.4	0.982758621
Forklifts50	Forklifts	50	1233962.8	430.12	773321.85	1.595665249	87581.90379	237.7962704	174886.0555	0.500937312	1933393.85	803.02	1440735.9	1.335000998
Forklifts75	Forklifts	75	0	0	0	0	3811.955918	13.15720006	5066.875265	0.752328747	0	0	0	0
Forklifts100	Forklifts	100	5725605.8	1521.62	2718865.75	2.105879574	126310.8413	1931.04875	1360790.654	0.964962756	120870018.4	28118.44	50777177.4	2.380471509
Forklifts175	Forklifts	175	4007460.8	55.62	99356.65	4.0333568	372860.776	351.7448313	238331.0373	1.564405869	907174.65	103.15	185810.55	4.882255878
Forklifts300	Forklifts	300	0	0	0	0	74004.78002	44.5669931	32928.0545	2.247468962	0	0	0	0
Forklifts600	Forklifts	600	0	0	0	0	19011.31972	7.008381932	4924.838948	3.860232679	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	251.4714078	0.088147083	19.27656679	12.98353974	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	1397.411207	0.187939779	152.8140213	9.144522179	0	0	0	0
Generator Sets25	Generator Sets	25	2475784.05	30770.29	3535441.1	0.700275858	214985	1047.62	3536777	0.607855683	0	0	0	0
Generator Sets50	Generator Sets	50	4695577.65	1597.27	183458.3	2.216207075	2549614	540.46	182452.75	1.395883978	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	1883587	308.5	35441.5	5.180020597	0	0	0	0	16501.65	22.95	2628	6.279166667
Generator Sets175	Generator Sets	175	30057.75	29.14	3347.05	8.980370774	0	0	0	0	23845.49	19.86	2197.3	10.85215947
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	0	0	0	0	0	0	0	0
Graders50	Graders	50	0	0	0	0	609.5440862	1.992603405	741.1862512	0.822932883	0	0	0	0
Graders75	Graders	75	0	0	0	0	352.1016361	0.796385925	256.123335	1.374734701	0	0	0	0
Graders100	Graders	100	0	0	0	0	16318.06492	20.53914328	8720.927308	1.871138709	0	0	0	0
Graders175	Graders	175	0	0	0	0	184735.6131	122.6983866	58663.8916	3.149051329	0	0	0	0
Graders300	Graders	300	0	0	0	0	380203.7493	107.2173909	83613.52182	4.547150282	0	0	0	0
Graders600	Graders	600	0	0	0	0	25824.48437	6.291751181	3752.983537	6.881057396	0	0	0	0
Graders750	Graders	750	0	0	0	0	0	0	0	0	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	13224.76719	0.459833555	345.6220208	38.26367258	0	0	0	0
Pavers25	Pavers	25	13946.45	26.8	10614.2	1.125155818	1889.1	2.59	2117	0.851724138	0	0	0	0
Pavers50	Pavers	50	7791.25	8.1	1164.55	6.691408047	3028.701077	8.931048047	3269.05765	0.926475367	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	4434.294444	7.51696544	2893.77416	1.532356499	0	0	0	0
Pavers100	Pavers	100	6617.45	4.43	1741.05	3.800838576	24729.36451	35.57534139	14261.63025	1.733979801	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	4001.53399	29.62130936	11782.25426	3.396003316	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	31234.1501	14.14082607	6556.006839	4.764203435	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	5740.702447	1.637358806	742.5849468	7.742821179	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	1171.498744	0.148858803	72.61840498	16.13224873	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment25	Paving Equipment	25	2534811.05	2933.13	554865.7	0.456834059	2140.541899	4.564305713	3740.512478	0.572258902	0	0	0	0
Paving Equipment50	Paving Equipment	50	8614	22.11	3854.4	2.234848485	3761.536721	10.92239977	5327.033105	0.706122272	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	539.2988096	1.203197112	429.3183988	1.256174518	0	0	0	0
Paving Equipment100	Paving Equipment	100	3558.75	5.71	996.45	3.571428571	15593.71721	19.76531959	9532.041747	1.635926239	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	17185.34561	13.67225114	6464.731235	2.658573549	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	11042.11174	5.498622743	2621.880636	4.211523433	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	12739.93162	3.566674212	1757.177755	7.249036924	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	2270.229185	0.371528564	194.1258181	11.69462855	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	1108.750231	0.148611425	71.45091009	15.486659	0	0	0	0
Rollers25	Rollers	25	5907	317.86	79033.45	0.074720587	39331.17519	147.9165557	102869.4928	0.382418856	0	0	0	0
Rollers50	Rollers	50	97119.95	5.67	3544.15	2.742533471	62192.78451	225.7628596	80635.73844	0.771280647	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	620.7613394	1.913893353	451.0891555	1.376139664	0	0	0	0
Rollers100	Rollers	100	30141.7	10.69	6653.95	4.529895759	96559.18839	166.5087215	56988.97925	1.694348443	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	110461.3446	97.37489169	36032.39049	2.788119402	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	17162.24778	12.70825185	4055.562777	4.231775849	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	9212.25851	4.287121105	1339.224329	6.878801671	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	0	0	0	0	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	43.86950541	0.26504119	75.89532895	0.578029472	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	1558.55	1.11	463.55	3.362204724	3122.04704	9.983218152	2837.288747	1.108174319	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	2524.464	6.353382253	811.6109619	1.291247919	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	34054.5	16.19	6679.5	5.098360656	249667.4602	428.1949099	124528.3062	2.004905293	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	1908.95	0.6	229.95	8.301587302	520443.92622	693.0874049	197841.8394	2.63055573	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	4129.299225	3.622229595	936.7715124	4.406945451	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	1357.971614	0.618429443	163.242628	8.31873164	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	255.4714079	0.088387083	19.67656679	12.98353974	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	2742.166647	2.986257448	2925.942512	0.937187459	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	3391.971995	2.694935258	2238.101421	1.490539294	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	8813.171052	5.754082576	5070.231818	1.738403816	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	11820.10964	5.025652779	1970.321198	2.977116725	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	19927.10059	4.297287304	3042.327925	4.57777916	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	137407.1073	24.18140178	18174.4092	7.560474244	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	5341.274181	0.864777788	377.4557202	13.81352619	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Scrapers25	Scrapers	25	0	0	0	0	22.08221115	0.075062145	31.84335892	0.693581041	0	0	0	0
Scrapers50	Scrapers	50	0	0	0	0	175.7893016	0.450172866	166.3815594	1.056543216	0	0	0	0
Scrapers75	Scrapers	75	0	0	0	0	1410.276999	1.726429331	833.5883736	1.691814622	0	0	0	0
Scrapers100	Scrapers	100	0	0	0	0	7528.244008	5.779785152	3332.319058	2.259168894	0	0	0	0
Scrapers175	Scrapers	175	0	0	0	0	95452.20213	48.79039414	22696.17717	4.205651083	0	0	0	0
Scrapers300	Scrapers	300	0	0	0	0	109752.4585	47.28915125	19658.85145	5.582853018	0	0	0	0
Scrapers600	Scrapers	600	0	0	0	0	136770.3349	263.1678796	129878.6231	10.53083499	0	0	0	0
Scrapers750	Scrapers	750	0	0	0	0	30403.93835	3.903219531	1989.060034	15.28550104	0	0	0	0
Scrapers9999	Scrapers	9999	0	0	0	0	31834.88997	1.951615786	799.0914019	39.83893858	0	0	0	0
Skid Steer Loaders25	Skid Steer Loaders	25	1934717.15	554.19	176933.75	1.093181423	1733202.25	330.81	276159	6.627610862	0	0	0	0
Skid Steer Loaders50	Skid Steer Loaders	50	45988.7	77.63	24093.65	1.907882744	47018.16465	156.5350393	50767.83612	0.92621421	0	0	0	0
Skid Steer Loaders75	Skid Steer Loaders	75	0	0	0	0	249764.5685	504.2099568	185532.5279	1.346203863	0	0	0	0
Skid Steer Loaders100	Skid Steer Loaders	100	614810.6	46.45	14413.85	4.265383641	88.44697369	0.232497674	175.6461306	1.614161798	0	0	0	0
Skid Steer Loaders175	Skid Steer Loaders	175	0	0	0	0	1689.399519	2.09247903	583.0220316	2.897655344	0	0	0	0
Skid Steer Loaders300	Skid Steer Loaders	300	0	0	0	0	1570.131487	1.317486823	401.0109182	3.915433261	0	0	0	0
Skid Steer Loaders600	Skid Steer Loaders	600	0	0	0	0	453.2002188	0.15499845	50.22910614	9.022661376	0	0	0	0
Skid Steer Loaders750	Skid Steer Loaders	750	0	0	0	0	0	0	0	0	0	0	0	0
Skid Steer Loaders9999	Skid Steer Loaders	9999	0	0	0	0	613.4688867	0.15499845	32.27953537	19.02940227	0	0	0	0
Surfacing Equipment25	Surfacing Equipment	25	1237657.85	791.6	338683.5	0.365438088	0	0	0	0	0	0	0	0
Surfacing Equipment50	Surfacing Equipment	50	0	0	0	0	434.8680722	2.742008473	689.8194305	0.630409473	0	0	0	0
Surfacing Equipment75	Surfacing Equipment	75	0	0	0	0	265.2628598	1.054617298	263.7983506	1.005551607	0	0	0	0
Surfacing Equipment100	Surfacing Equipment	100	0	0	0	0	2821.155702	6.819858279	1984.125114	1.421851399	0	0	0	0
Surfacing Equipment175	Surfacing Equipment	175	0	0	0	0	2115.446892	3.869329965	961.4775786	2.195641116	0	0	0	0
Surfacing Equipment300	Surfacing Equipment	300	0	0	0	0	4235.739359	4.85123939	1207.225429	3.508656509	0	0	0	0
Surfacing Equipment600	Surfacing Equipment	600	0	0	0	0	15341.6787	8.296122438	2439.96569	6.287648808	0	0	0	0
Surfacing Equipment750	Surfacing Equipment	750	0	0	0	0	7014.020993	2.249850152	698.0217094	10.04842833	0	0	0	0

Orange (SC)	2026 Agricultural - Combine Harvesters	Aggregate	300 Diesel	8.06683E-05	9.76086E-05	0.000116162	0.000395963	0.000948725	0.026379892	3.58914E-05	3.30201E-05	2.43109E-07	2.67252E-07	6.11778596	1125.512615	3.007899914	260925.6
Orange (SC)	2026 Agricultural - Combine Harvesters	Aggregate	600 Diesel	1.41796-05	1.7156E-05	2.0417E-05	0.000120178	0.000132501	0.007957831	5.69491E-06	5.23931E-06	7.36421E-08	6.53863E-08	1.86173947	230.817886	0.515220707	76221.75
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	50 Diesel	0.000114346	0.000162559	0.000193459	0.00056294	0.000469142	0.007924965	3.74543E-05	3.44578E-05	6.97313E-08	6.51164E-08	1836.125539	1776.288317	4.588371541	78732.15
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	175 Diesel	0.000414146	0.000614262	0.000135983	0.000584689	0.000820998	0.012889566	5.47354E-05	5.03566E-05	1.17137E-07	1.05909E-07	2986.367606	2020.825079	5.516679986	127338
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	100 Diesel	0.000179076	0.000216682	0.000257869	0.001385952	0.001377818	0.031095203	0.000116265	0.000106964	2.84047E-07	2.55497E-07	7204.409557	3660.138972	7.599089001	308516.2
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	175 Diesel	0.000352455	0.000426471	0.000507536	0.002979449	0.002992129	0.066976302	0.000179539	0.000165175	6.12839E-07	5.50318E-07	15517.65763	8053.467049	10.14978164	740828.5
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	300 Diesel	0.000395232	0.000236225	0.000281128	0.003822254	0.003942725	0.044889575	8.31743E-05	7.65202E-05	4.11953E-07	3.68864E-07	10400.41084	2512.214602	4.524828284	494043.3
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	600 Diesel	2.23423E-05	2.70342E-05	3.2179E-05	9.22313E-05	0.000198073	0.004434047	8.58495E-06	7.89816E-06	3.97527E-08	3.56851E-08	1006.235286	137.0828619	0.155423024	48392.61
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	100 Diesel	1.82464E-05	2.20752E-05	2.6271E-05	3.3003E-05	1.77778E-05	0.000821841	1.31401E-06	1.20889E-06	7.59457E-09	6.75275E-09	190.4114444	81.80302825	0.182423997	7162.273
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	175 Diesel	5.702031E-06	6.89944E-06	8.2109E-06	0.000101592	5.37005E-05	0.002583296	3.13459E-06	2.88382E-06	2.387E-08	2.12259E-08	598.5205907	207.7425538	0.455917447	25438.11
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	300 Diesel	6.81606E-06	8.24596E-06	9.8162E-06	4.47832E-05	6.84045E-05	0.003151253	2.96927E-06	2.73031E-06	3.08141E-08	2.73826E-08	772.1305755	134.3630308	0.292208827	33183.89
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	600 Diesel	1.17283E-05	1.4191E-05	1.6888E-05	7.6589E-05	0.000114646	0.005819885	4.83466E-06	4.4477E-06	5.38166E-08	4.78196E-08	1348.397498	178.583034	0.383974109	57847.86
Orange (SC)	2026 Agricultural - Forage & Silage Harvesters	Aggregate	100 Diesel	5.24468E-07	6.3460BE-07	7.5523E-07	4.3663E-06	4.57216E-06	0.000101753	3.74244E-07	3.44282E-07	9.31314E-10	8.3604E-10	23.57453439	11.39388912	0.031109972	911.5155
Orange (SC)	2026 Agricultural - Forage & Silage Harvesters	Aggregate	175 Diesel	4.99873E-07	6.04796E-07	7.1987E-07	2.21218E-06	4.35844E-06	0.000154954	2.25868E-07	2.07792E-07	1.92958E-09	1.73152E-09	48.84555809	23.94514697	0.064454178	1887.626
Orange (SC)	2026 Agricultural - Forage & Silage Harvesters	Aggregate	600 Diesel	4.52039E-06	5.4696E-06	6.5093E-06	2.7761E-05	4.90631E-05	0.001832078	1.96679E-06	1.80945E-06	1.80915E-08	1.50535E-08	424.4719243	43.26585199	0.107497542	18449.43
Orange (SC)	2026 Agricultural - Forage & Silage Harvesters	Aggregate	750 Diesel	7.04665E-06	8.5257E-06	1.0147E-05	5.8705E-05	6.99606E-05	0.002852889	2.83041E-06	2.60417E-06	3.22372E-08	2.68266E-08	756.4888539	61.11147224	0.139358437	32870.1
Orange (SC)	2026 Agricultural - Forklifts	Aggregate	9999 Diesel	4.39977E-06	5.3217E-06	6.3356E-06	3.6312BE-05	0.000101168	0.002191288	1.94453E-06	1.78989E-06	2.21249E-08	1.96483E-08	554.0343463	27.6917978	0.060272649	21814.95
Orange (SC)	2026 Agricultural - Forklifts	Aggregate	75 Diesel	1.13882E-05	1.3779E-05	1.6398E-05	5.2986E-05	7.78664E-05	0.002881573	1.31794E-06	1.21346E-06	7.25068E-09	6.67924E-09	188.9332285	59.45919125	0.130155327	6992.913
Orange (SC)	2026 Agricultural - Forklifts	Aggregate	175 Diesel	9.74598E-07	1.1792BE-06	1.4034E-06	6.1683BE-06	8.23241E-06	0.00013156	5.23599E-07	4.81711E-07	1.39526E-09	1.28809E-09	36.48106531	20.11382561	0.023906823	1307.399
Orange (SC)	2026 Agricultural - Forklifts	Aggregate	100 Diesel	1.66494E-07	4.4345BE-07	5.2775E-07	2.4515AE-06	2.57794E-06	5.2288BE-05	2.20566E-07	2.03261E-07	4.75665E-10	4.2926E-10	12.14426941	6.704689461	0.027968942	519.6072
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	75 Diesel	5.51783E-07	6.6795E-07	7.9456E-07	2.4496E-06	4.82984E-06	4.09931E-05	2.49507E-07	2.30429E-07	1.05094E-07	9.70115E-08	13.26377922	9.743852505	0.014957554	541.8186
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	100 Diesel	1.17786E-06	1.4252E-06	1.6961E-06	6.2102E-06	8.21594E-06	0.000124772	7.51096E-07	6.91008E-07	1.12598E-09	1.0252E-09	28.90816128	15.237277	0.026000827	1180.889
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	175 Diesel	1.58577E-05	1.9192E-05	2.2835E-05	0.000126E-05	0.000116E-05	0.002060013	2.98262E-06	2.74315E-06	9.91157E-06	8.94939E-06	1.700038E-06	479.3682407	0.286738591	20462.49
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	300 Diesel	3.41972E-06	4.1591E-06	5.0496E-06	0.000119596	0.000341391	0.005449366	1.44982E-05	1.33384E-05	4.96888E-08	4.47753E-08	1262.556083	241.3459389	0.409478356	57241.7
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	600 Diesel	8.18523E-06	9.9041E-06	1.1786E-05	5.1211E-05	1.17626E-05	0.005285E-05	3.44819E-06	3.17294E-06	1.93458E-06	1.74935E-06	1.944035E-06	45.2122958	0.077406163	14430.34
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	50 Diesel	2.52993E-06	3.0612E-06	3.6431E-06	0.000102736	0.000344793	0.007885225	8.39763E-06	7.72582E-06	7.26328E-08	6.47898E-08	1826.918131	1767.10967	4.560501553	70874.19
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	75 Diesel	1.62837E-05	1.9703E-05	2.3448E-05	0.000294005	0.000279361	0.007583666	6.74318E-06	6.20381E-06	7.09565E-08	6.2312E-08	1757.049499	1047.838281	2.666445397	103428.8
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	100 Diesel	2.17116E-05	3.5796E-05	4.2598E-05	0.000390134	0.000372481	0.010187494	1.55835E-05	1.43325E-05	1.27528E-07	2.22672E-07	5934.867601	2809.339524	4.992283705	230815.8
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	175 Diesel	3.97868E-05	4.814E-05	5.7292E-05	0.000928052	0.000914413	0.02409183	1.91027E-05	1.75745E-05	2.23041E-07	1.97953E-07	5581.806596	1894.013145	3.854894985	234172.2
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	300 Diesel	2.05897E-05	2.491E-05	2.9651E-05	0.000481E-05	0.000473E-05	0.012460E-05	9.89012E-06	9.10127E-06	2.20014E-07	1.95259E-07	5503.2E-06	1.04945E-06	3.007227E-06	66.14041051
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	600 Diesel	1.58256E-05	1.9149E-05	2.2788E-05	0.000157333	0.000140306	0.012131187	5.88238E-06	5.41179E-06	1.14133E-07	1.0173E-07	2852.827178	377.3158308	0.881589631	122627.6
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	75 Diesel	1.13127E-05	1.3712BE-05	1.6295E-05	8.3684E-05	7.1216E-05	0.0013485	3.12604E-06	2.87679E-06	2.10584E-08	1.9388E-08	551.8047945	313.7016468	0.691821758	33498.27
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	75 Diesel	1.99404E-05	2.4172BE-05	2.8714E-05	0.000208713	0.000194995	0.004960169	8.22303E-06	7.56519E-06	4.30556E-08	3.8537E-08	1086.659467	630.7464361	0.451170546	42378.07
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	100 Diesel	5.34238E-05	6.4642BE-05	7.6930E-05	0.000594473	0.000350479	0.011237089	1.20582E-05	2.94919E-05	2.21601E-07	1.08763E-07	3066.866349	1385.409707	1.150378169	118641.2
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	175 Diesel	4.09713E-06	4.8972BE-05	5.8275E-05	0.000745E-05	0.000704E-05	0.017426E-05	2.07326E-05	2.03722E-05	7.95464E-08	7.12949E-08	2010.34614	664.0545068	0.998107071	88074.86
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	300 Diesel	3.56889E-05	4.3183E-05	5.139E-05	0.000514804	0.000338438	0.009414474	1.42172E-05	1.30798E-05	8.65267E-08	7.7330E-08	2180.532915	435.0851129	0.642335279	93043.75
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	600 Diesel	1.31844E-05	1.5953E-05	1.8986E-05	0.000162E-05	0.000124599	0.003318006	5.25116E-06	4.83115E-06	3.09672E-08	2.76911E-08	780.8225479	87.56552573	0.138999372	33852.71
Orange (SC)	2026 Agricultural - Others	Aggregate	50 Diesel	5.97526E-06	1.1586E-05	1.3788E-05	4.6648E-05	4.32772E-05	0.000755923	2.73447E-06	2.51757E-06	6.74858E-09	6.21118E-09	175.1403573	166.9366189	0.318053469	7512.148
Orange (SC)	2026 Agricultural - Others	Aggregate	75 Diesel	1.81236E-05	2.2177BE-05	2.6388E-05	0.000178E-05	0.000176E-05	0.001631688	1.03459E-06	9.52182E-07	2.84605E-09	2.56101E-09	72.22423333	47.6528689	0.080517702	2907.424
Orange (SC)	2026 Agricultural - Others	Aggregate	100 Diesel	7.17434E-06	8.6809BE-06	1.0311E-05	5.6677E-05	5.55517E-05	0.001281901	4.61452E-06	4.24536E-06	1.17161E-08	1.0532BE-08	297.0020261	146.3103546	0.293537565	12739.06
Orange (SC)	2026 Agricultural - Others	Aggregate	175 Diesel	2.07585E-05	2.5114E-05	2.9886E-05	0.000187078	0.000190329	0.004024475	1.10516E-05	1.01675E-05	4.02534E-08	3.61734E-08	1020.203466	381.4779598	0.772446146	48637.77
Orange (SC)	2026 Agricultural - Others	Aggregate	300 Diesel	3.34535E-05	2.8581E-05	3.4061E-05	0.000355E-05	0.000240434	0.005766039	1.95508E-05	1.79852E-05	1.02777E-07	9.23611E-08	2585.68	479.7731	1.025364952	129564.4
Orange (SC)	2026 Agricultural - Others	Aggregate	600 Diesel	0.000110932	0.000134228	0.000159743	0.00067348	0.000144114	0.029713397	4.87647E-05	4.48635E-05	2.68204E-07	2.39706E-07	6759.146635	862.6507559	1.747248239	323302.7
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	50 Diesel	2.31885E-05	2.8053E-05	3.3391E-05	0.000173846	0.000175E-05	0.953052E-05	0.001706843	0.001570E-05	1.70241E-07	2.08622E-07	5.541446E-08	1.42219E-08	401.8230485	454.6327901	0.779228001	16303.61
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	75 Diesel	6.67098E-06	8.0718BE-06	9.6062E-06	4.7163E-05	6.11124E-05	0.001058932	3.77842E-06	3.47615E-06	9.65588E-09	8.70083E-09	245.342687	166.0451016	0.299349713	10019.33
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	100 Diesel	1.46092E-05	1.7677BE-05	2.1035E-05	0.000103874	0.000131256	0.002428703	9.28677E-06	8.54388E-06	2.16668E-08	1.9955E-08	562.7031033	262.419262	0.571857992	23113.52
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	175 Diesel	2.47145E-05	2.9904E-05	3.5588E-05	0.000214023	0.000227949	0.005058577	1.31032E-05	1.20549E-05	4.58508E-08	4.11313E-08	1159.805436	430.8249154	0.771851942	51683.11
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	300 Diesel	1.6815E-05	1.3080E-05	1.5566E-05	8.4817E-05	0.000127E-05	0.002543E-05	4.85445E-06	4.46609E-06	2.31318E-08	2.08834E-08	588.8621662	122.0499985	0.220597523	28616.35
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	600 Diesel	2.29637E-05	3.1496E-05	3.7487E-05	0.000174E-05	0.000174E-05	0.002682E-05	3.41788E-06	3.13121E-05	1.34042E-07	7.65622E-10	1.04E+06	2.56E+06	3.29E+06	2.99E+09
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	50 Diesel	3.28045E-06	3.9693E-06	4.7238E-06	3.0645E-05	3.14161E-05	0.00065039	1.09116E-06	1.00387E-06	5.95509E-09	5.344E-09	15G687972	123.6563373	0.285580552	5487.457
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	100 Diesel	1.52508E-05	1.8458E-05	2.1966E-05	0.000142E-05	0.000146E-05	0.003072861	5.15298E-06	4.74122E-06	1.66464E-08	1.49235E-08	420.4672945	210.9805472	0.429215773	16296.98
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	100 Diesel	2.04607E-05	2.4775E-05	2.9463E-05	0.000357E-05	0.000175139	0.008861739	1.35894E-05	1.25023E-05	8.18669E-08	7.3814E-08	2055.165052	871.0912213	1.890407306	74692.67
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	175 Diesel	1.04214E-05	1.2618E-05	1.5008E-05	0.000194E-05	0.000194E-05	0.004596E-05	7.49166E-06	6.89231E-06	5.31491E-08	4.80803E-08	1155.644182	375.2716858	1.094522074	41473.38
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	300 Diesel	4.17259E-06	5.0488E-06	6.0085E-06	2.9347E-05	3.8699E-05	0.002140381	1.61952E-06	1.48995E-06	1.97964E-08	1.75867E-08	495.9022814	95.44236403	0.201010991	19636.13
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	50 Diesel	8.2393E-06	9.9594E-06	1.1852E-05	2.9150E-05	0.000182794	0.013958046	4.86242E-06	4.47434E-06	1.28802E-07	1.1892E-07	4752.854342	25.92119072	0.115539843	16330.35
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	75 Diesel														
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	50 Diesel	1.50418E-05	1.8200E-05	2.1660E-05	0.000181195	0.000145792	0.02203402	7.03931E-06	6.47616E-06	2.01264E-07	1.79839E-07	714.8695288	750.3030477	1.018110961	33706.87
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	75 Diesel	4.57576E-06	5.5367E-06	6.5890E-06	0.000101E-05	0.000562142	0.158404616	1.65599E-06	1.52315E-06	1.46199E-06	1.29361E-06	5142.183911	4055.273455	5.408381717	269528.8
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	100 Diesel	6.70891E-06	8.1177BE-05	9.6683E-05	0.001116976	0.000811779	0.157407316	2.60023E-05	2.39222E-05	1.45132E-06	1.28474E-06	5106.902411	2989.498772	4.022331026	267880.1
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	175 Diesel	9.85222E-07	1.1922BE-06	1.4206E-06	1.7441E-05	8.18752E-06	0.001818594	6.99254E-07	6.43613E-07	1.67842E-08	1.48613E-08	59.00228756	25.44740256	0.029960104	3975.075
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	300 Diesel	1.34037E-06	4.0418AE-06	4.8103E-06	1.7645E-05	6.16059E-05	0.00829453	1.61887E-06	1.48936E-06	7.65868E-08	6.76988E-08	269.1068772	78.36272245	0.104421637	14105.3
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	25 Diesel														
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	50 Diesel	1.67342E-05	2.0248AE-05	2.4097E-05	0.000122093	9.55793E-05	0.013617767	6.12614E-06	5.63605E-06	1.259E-07	1.11587E-07	443.565416	512.1615712	0.979591389	22995.29
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	75 Diesel	6.10925E-06	7.3921BE-05	8.7971E-05	0.000624293	0.000643095	0.089097886	4.47667E-05	4.11854E-05	8.21728E-07	7.27014E-07	2890.00463	2608.823004	4.969418639	166926.5
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	100 Diesel	2.49806E-05	3.0238E-05	3.5972E-05	0.000255E-05	0.000319778	0.04825275	1.74715E-05	1.60763E-05	6.30281E-07	5.5707E-07	2214.385617	1466.144066	2.885797706	127646
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	175 Diesel	5.09963E-06	6.1705BE-06	7.3434E-06	4.8249E-05	5.02884E-05	0.006919585	3.44215E-06	3.16678E-06	6.3822E-08	5.64767E-08	224.4983094	102.8700592	0.211410616	12941.52
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	300 Diesel	1.28862E-06	1.5599E-06	1.8561E-06	8.9191E-06	1.27719E-05	0.004510083	6.08156E-07	5.59504E-07	1.56807E-08	1.38724E-08	46.3124627	22.01009842	0.040979444	2666.661
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	600 Diesel	4.1098E-07	4.9729E-07	5.9181E-07	7.0989E-06	1.94898E-06	0.001893903	6.83493E-08	6.28813E-08	3.59887E-08	3.1781E-08	126.3134066	16.0050491	0.039487231	7282.297
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	750 Diesel	3.97588E-06	4.8108E-06	5.7252E-06	6.1346E-05	5.30765E-05	0.002283654	2.70041E-06	2.48437E-06	2.09942E-08	1.86388E-08	74.09064181	6.839764573	0.038487231	4274.853
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	50 Diesel	2.53506E-06	3.0672BE-06	3.6503E-06	2.5365E-05	1.77161E-05	0.004994E-05	1.65810E-06	1.52564E-06	4.47286E-09	3.95416E-09	15.73802139	25.64732864	0.062767928	741.0583
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	75 Diesel	2.52516E-06	3.0554E-06	3.6362E-06	2.7165E-05	1.77161E-05	0.003056713	7.20371E-07	6.62741E-07	2.81851E-08	2.49485E-08	99.1717016	103.0886662	0.251071313	4676.166
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	175 Diesel	1.06422E-05	1.2877BE-05	1.5324E-05	0.000115E-05	0.000174E-05	0.004794773	3.24232E-06	2.98272E-06	1.46178E-08	1.29382E-08	514.1291233	185.9209455	0.388303485	6173.102
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	100 Diesel	1.47064E-07	1.7792BE-07	2.1174E-07	8.1451E-06	3.52496E-06	0.001394507	2.34872E-06	2.16082E-06	1.28885E-08	1.1381E-08	45.24124589	29.64231264	0.067676728	2371.387
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	175 Diesel	5.95436E-06	7.2045BE-05	8.5741E-05	0.000645E-05	5.75911E-05	0.001583806	4.15151E-06	3.81939E-06	1.08018E-07	9.54135E-08	375.8072112	162.2935165	0.360127668	17699.06
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	300 Diesel	9.95376E-06	1.2044E-05	1.4334E-05	0.000106381	0.000108042	0.051902473	3.88417E-06	3.57344E-06	4.79565E-07	4.23621E-07	1683.918587	429.0745252	0.941517425	88263.39
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	25 Diesel	4.33131E-07	5.2408BE-07	6.2370E-07	9.7616BE-06	8.06107E-06	0.001622477	1.18604E-06	2.93116E-06	1.48679E-08	1.26244E-08	52.63947934	109.3450363	0.223573027	2173.626
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	50 Diesel	1.40665E-06	4.1218E-06	4.9057E-06	1.9857E-05	2.31651E-05	0.003914543	8.84966E-07	8.13627E-07	4.54921E-08	4.02594E-08	159.9975473	221.2266541	0.380019341	8308.467
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	100 Diesel	6.17807E-07	7.4754E-05	8.8964E-05	0.000127969	0.000883228	0.191985103	3.35396E-05	3.08564E-05	1.79034E-06	1.58214E-06	629B.090889	4225.834545	8.942921069	362990.9
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	175 Diesel	1.59078E-06	2.4124E-05	2.8703E-05	0.000164E-05	0.000164E-05	0.033168827	2.93225E-06	2.69744E-06	2.92135E-06	2.58195E-06	1025.74291	457.7169483	1.259077555	52109.52
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	300 Diesel	5.46869E-06	6.6171E-06	7.8741E-06	5.7820E-05	4.52431E-05	0.02845321	1.61566E-06	1.48635E-06	2.72146E-07	2.40393E-07	955.577949	258.5659801	0.553932567	55166.58
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	600 Diesel	1.43846E-06	4.1581BE-06	4.9440E-06	1.5560E-05	1.40679E-05	0.027078884	5.05272E-07	4.64853E-07	2.55723E-07	2.26048E-07	897.760818	144.6175546	0.313555764	31029.54
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	750 Diesel	4.04368E-06	4.8926E-06	5.8226E-06	5.7248E-05	1.55748E-05	0.030414604	5.65471E-07	5.20233E-07	2.81077E-07	2.48424E-07	986.7683262	82.08877223	0.16767977	56908.76
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	25 Diesel	9.59465E-07	1.1609E-06	1.3814E-06	1.6118AE-05	1.0812E-05	0.002007845	5.44606E-08	5.01037E-08	1.85347E-08	1.63877E-08	65.14226774	125.3052355	0.177310923	3112.631
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	50 Diesel	1.48702E-05	1.7992BE-05	2.1413E-05	0.000210E-05	7.74622E-05	0.010380574	5.34427E-06	4.91715E-06	2.38139E-06	2.1926E-06	8472.57	6.96.7496554	0.778779553	16194.71
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	75 Diesel	8.12305E-06	9.8288BE-05	0.000116972	0.000113564	0.000833544	0.167276195	4.80282E-05	4.41859E-05	1.54411E-06	1.36529E-06	542.0391918	4768.560352	6.959453721	290325.7
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	100 Diesel	2.35683E-05	2.8517BE-05	3.3938E-05	0.000821E-05	0.000307211	0.059707728	9.62531E-06	8.85631E-06	7.59704E-07	6.71936E-07	2668.3E-06	2003.392089	2.625363227	161444.9
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	175 Diesel	2.08344E-05	2.5209E-05	3.0002E-05	0.000469B91	0.000194576	0.055379456	1.13888E-05	1.04777E-05	5.11388E-07	4.52E-07	1796.725456	667.7973464	0.975210076	96054.42
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	300 Diesel	2.45026E-05	2.9648E-05	3.5287E-05	0.000577541	0.000205389	0.088098617	8.93041E-06	8.19758E-06	2.62E-06	2.26466E-06	6028.8E-06	1.64E+06	3.64E+06	4481915.5
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	600 Diesel	3.32161E-05	4.0191E-05	4.7831E-05	0.000174971	0.000346499	0.038392175	1.18909E-05	1.09396E-05	7.74628E-07	6.84717E-07	2721.788239	375.9157666	0.531932768	145510.7
Orange (SC)	2026 AirGroup - Forklift	Aggregate	25 Diesel	5.57526E-06	6.7460BE-06	8.0283E-06	1.1132E-05	8.53582E-05	0.000167406	3.68804E-06	3.38564E-06	1.54608E-06	1.41293E-06	561.2117681	186.7414698	0.466681256	35491.63
Orange (SC)	2026 AirGroup - Forklift	Aggregate	50 Diesel	1.38672E-05	1.5813E-05	1.8818E-05	7.3071E-05	6.19461E-05	0.007505857	5.21112E-06	4.81263E-06	3.92103E-06	3.59103E-06	1426.5	546.7120721	1.284647766	21044.58
Orange (SC)	2026 AirGroup - Forklift	Aggregate	75 Diesel	5.65777E-06	6.8459E-06	8.1473E-06	4.1937E-05	5.94614E-05	0.005300149	4.26199E-06	3.92103E-06	4.88328E-08	4.32591E-08	171.9574969	238.0690218	0.653537549	16522.11
Orange (SC)	2026 AirGroup - Forklift	Aggregate	100 Diesel	3.91166E-06	4.7574BE-05	5.6616E-05	0.000106E-05	0.000442E-05	0.079012121	2.84055E-06	5.12467E-06	6.92146E-07	6.12422E-07	2431.685227	2711.052399	5.512268834	139442.1
Orange (SC)	2026 AirGroup - Forklift	Aggregate	175 Diesel	3.33542E-05	4.0358E-05	4.803E-05	0.000375103	0.000370943	0.060401369	2.35611E-05	2.16782E-05	5.574E-07	4.92988E-07	1955.655888	1508.717068	1.891144042	188149.8
Orange (SC)	2026 AirGroup - Forklift	Aggregate	300 Diesel	7.98873E-06	9.6661E-05	0.000115E-05	8.2549E-05	7.4113E-05	0.040404726	2.57482E-05	2.36883E-05	1.26845E-06

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	Equipment Type	Horsepower HP	Gasoline				Diesel				Natural Gas			
			Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	1711E6.85	1171.5	566312.1	0.3021449661	8208.85	18.43	15008.8	0.5469357961	0	0	0	0
Air Compressors50	Air Compressors	50	52698.7	48.55	23469.5	2.2454121311	92432.6	111.35	90667.75	1.0196899954	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	2856169.8	157.42	76091.55	5.3563361E	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	35047.2	10.59	5113.65	6.8536759E	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	34959.7	107.71	40438.35	0.8645184	29585.9	161.28	64400.6	0.4594198816	54815.5	121.58	46376.9	1.1819612782
Aerial Lifts50	Aerial Lifts	50	73722.7	128.69	46479.1	1.5861473	125209.2928	490.5481246	153144.2445	0.8175903982	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	13855.8983	376.4187119	117057.8466	1.1435014149	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	132432.05	128.69	46479.1	2.8493001884	84619.45069	217.8413333	68052.22695	1.2434180405	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	13352.33518	20.60594823	6422.282717	2.0790631749	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	797.9059846	2.174590455	2172.652534	0.3672524855	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	566.6288734	0.231499823	72.56503879	7.8085608805	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	4431.1	27.37	3405.45	1.3011789392	3712.105	6.88	5602.75	0.6625420717	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	6895.85	2.49	277.6	2.4868421053	2755.079055	6.486891802	2381.613672	1.1568128828	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	1161.133899	1.980209687	687.3345129	1.6891284743	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	7862.1	11.47	1230.05	6.3918911935	15780.04377	17.75360409	7460.741745	2.1150775869	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	2737.5	2.84	292	9.375	19997.07955	15.70511131	5122.983658	3.9034049406	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	28700.84998	15.84157759	5314.651981	5.4003248875	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	39726.57274	12.42752286	4034.851533	9.8458579379	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	34751.58998	3.462437729	2099.902688	16.5300594574	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	14879.14517	0.409698556	308.2625284	48.2677713	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	14569.85	4125.58	379884.7	0.1838395141	9536.5	98	28820.4	0.3305475112	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	131009.45	580.73	165016.5	0.7939372791	308.6	0.67	401.5	0.7686369846	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	15771.45	9.34	3701.3	2.7663525289	4825.6	6.04	3498.7	1.3799564846	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	15388.4	5.35	3296.75	4.7108145251	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	52.62902095	0.257273772	127.1300598	0.4139775834	0	0	0	0
Cranes50	Cranes	50	2308.8	2.84	1171.65	1.9688473752	852.0852718	2.744253564	1238.54278	0.6880683799	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	466.2430113	1.238368858	455.8715679	1.0227503867	0	0	0	0
Cranes100	Cranes	100	7821.95	5.67	2361.55	3.3122102201	20133.50478	32.75952832	15319.54758	1.3142364258	0	0	0	0
Cranes175	Cranes	175	507.05	0.16	87.6	5.7916666667	58002.26993	56.42871139	26353.13478	2.2013422285	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	99501.30111	62.51752365	30484.27488	3.2640149386	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	179500.02026	64.66147459	32960.89736	5.4485749376	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	35310.92574	0.857579239	372.397839	9.4278838853	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	9795.558012	1.372128762	701.5429578	13.9600260398	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	2761.946713	7.611248223	2679.46381	1.0315337456	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	1898.758493	3.653395146	1126.076782	1.6849335348	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	120147.4376	127.1078453	61696.80981	1.9473849312	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	133004.4422	85.93099241	40188.9678	3.3117139862	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	139081.6871	65.91340959	30584.17364	4.5475015154	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	487048.1579	117.0608979	57077.14988	8.5360550098	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	6115.872174	0.989462269	450.3410219	13.5805353818	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	283410.09759	2.283374668	1304.114409	21.7135295757	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	1952.75	6.89	1692.9	0.97985348	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	6062.65	3.32	792.05	7.6543778846	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	13939.85	274.98	41030.45	0.3399804151	949	4.13	2737.5	0.3466666667	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	649.7	2.04	270.1	2.4054054054	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	6681.429577	6.522529398	8950.091882	0.7467641414	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	110506.6112	186.1620809	140489.527	0.7865823562	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	1568.780163	1.982881648	1084.112055	1.4470549569	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	141673.4611	132.3192177	88554.87816	1.5998381598	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	5026.58151	171.6717939	104813.4959	2.8874002121	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	38563.11269	147.9534798	89160.42042	4.3249368651	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	678159.4261	154.3597098	102114.135	6.6411905257	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	16179.54802	2.211675684	1334.312502	12.1257575315	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	19070.34994	1.143970182	800.9290106	23.8102870541	0	0	0	0
Forklifts25	Forklifts	25	1518.6	2.46	2222.85	0.6833870236	43.86950541	0.265094119	75.89512895	0.5780264422	1456.35	1.39	1481.6	0.9827586207
Forklifts50	Forklifts	50	12339622.8	430.12	773321.85	1.5956652484	87581.90376	237.7962704	174836.0555	0.5009373122	1933393.85	803.02	1446735.9	1.3359009988
Forklifts75	Forklifts	75	0	0	0	0	3811.955918	13.15720006	5066.875265	0.7523283747	0	0	0	0
Forklifts100	Forklifts	100	57256605.2	1521.62	2718866.75	2.1058795174	126310.1413	1931.04875	130579.6516	0.9649623756	12087018.6	2818.49	5077717.4	2.3804715092
Forklifts175	Forklifts	175	4007460.8	55.62	99356.65	4.0333568	372860.776	351.7448313	238331.0373	1.5644058	907174.65	103.15	185810.55	4.8822558778
Forklifts300	Forklifts	300	0	0	0	0	74004.78002	44.5669931	32928.0543	2.2474638962	0	0	0	0
Forklifts600	Forklifts	600	0	0	0	0	19011.31972	7.008381932	4924.838948	3.8602923679	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	251.4714078	0.088147053	19.67656679	12.9815745974	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	1397.411207	0.187939779	152.8140213	9.1445221179	0	0	0	0
Generator Sets25	Generator Sets	25	2475784.05	30770.29	3535441.1	0.7002758356	214985	1047.62	3536777	0.6078555683	0	0	0	0
Generator Sets50	Generator Sets	50	4695577.65	1597.27	183458.3	2.2162070757	2549634	540.46	182452.55	1.3958826	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	1883587	308.5	35441.5	5.1800205977	0	0	0	0	16501.65	22.95	2628	6.2791666667
Generator Sets175	Generator Sets	175	30057.75	29.14	3347.05	8.9803707714	0	0	0	0	23845.49	19.86	2197.3	10.8521594
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	0	0	0	0	0	0	0	0
Graders50	Graders	50	0	0	0	0	609.5443862	1.992603405	741.1862512	0.8223923883	0	0	0	0
Graders75	Graders	75	0	0	0	0	352.1016361	0.796385925	256.123335	1.3747247451	0	0	0	0
Graders100	Graders	100	0	0	0	0	16318.06492	20.53914328	8720.927308	1.8711387098	0	0	0	0
Graders175	Graders	175	0	0	0	0	184735.6131	122.6983866	58663.8916	3.1490513329	0	0	0	0
Graders300	Graders	300	0	0	0	0	380203.7493	107.2173909	83613.52182	4.5475150262	0	0	0	0
Graders600	Graders	600	0	0	0	0	25824.48487	6.291751181	3752.983537	6.8810573496	0	0	0	0
Graders750	Graders	750	0	0	0	0	0	0	0	0	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	13224.7671	0.459833555	345.6220208	38.2636725354	0	0	0	0
Pavers25	Pavers	25	13946.45	26.8	10614.2	1.3255158318	1869.1	2.59	2117	0.8517224138	0	0	0	0
Pavers50	Pavers	50	7351.25	8.1	3164.55	2.3230401186	3028.701077	8.931048047	3269.05765	0.9264775367	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	4434.294449	7.516965544	2893.77416	1.5323556499	0	0	0	0
Pavers100	Pavers	100	6617.45	4.43	1741.05	3.8008385794	24729.36451	35.57534139	14261.63025	1.7339778801	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	4001.51899	29.62130934	11782.25426	3.3960503316	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	31234.1501	14.14082607	6556.006839	4.7642034435	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	5749.702447	1.637358809	742.5849468	7.7428212179	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	1171.498744	0.148858803	72.61840498	16.1322487	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment25	Paving Equipment	25	2534811.05	2933.13	554865.7	0.4568340559	2140.541899	4.564305713	3740.512478	0.5722589902	0	0	0	0
Paving Equipment50	Paving Equipment	50	8614	22.11	5854.4	1.2344864865	3761.536721	10.92239977	5327.033105	0.7061222272	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	535.2988096	1.203197117	429.3183988	1.2501745318	0	0	0	0
Paving Equipment100	Paving Equipment	100	3558.75	5.71	996.45	3.5714285714	15593.71721	19.76531959	9532.041747	1.6359226239	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	17135.24561	13.67225114	6464.731233	2.6505773549	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	11042.11174	5.498622743	2621.888036	4.2115234431	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	12739.91502	2.599274212	1757.377755	7.2496069214	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	2270.229185	0.371528564	194.1258181	11.6946285	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	1108.750231	0.148611425	71.45093009	15.486659	0	0	0	0
Rollers25	Rollers	25	5907	317.86	79033.45	0.0747240587	39181.17519	147.9165557	102869.4928	0.3824148856	0	0	0	0
Rollers50	Rollers	50	9719.95	5.67	3544.15	2.7425334471	62192.78451	225.7628596	80635.73844	0.7712830647	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	620.7613394	1.913893351	651.0691555	1.3761196641	0	0	0	0
Rollers100	Rollers	100	30141.7	10.69	6653.95	4.5298557791	96559.18839	166.5087215	56988.97925	1.6934848443	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	110461.3446	97.37389188	36032.39049	2.7881199402	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	17162.24778	12.70825185	4055.562777	4.2317795849	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	9212.25851	4.267121105	1339.224329	6.8788801671	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	0	0	0	0	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	43.86950541	0.26504119	75.89512895	0.5780264422	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	1558.55	1.11	463.55	3.3622047244	3122.04704	9.983218152	2837.288747	1.1081743319	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	105.2872444	0.353382253	81.41309923	1.2932474959	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	34056.5	16.19	6679.5	5.0983600556	249667.4602	428.1949099	124528.3062	2.0049052393	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	1908.95	0.6	229.95	8.3015873303	52044.92622	69.08740349	19784.83994	2.630555573	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	4124.299274	3.622229595	936.7715121	4.4069645451	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	1357.971614	0.618429443	163.242628	8.3187316	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	255.4714079	0.088387083	19.67656679	12.9815574	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	2742.166647	2.986257448	2925.942512	0.9371874459	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	9391.971995	2.694935258	2238.101421	1.4905302947	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	8813.171052	5.754082576	5075.231818	1.7364033815	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	11820.10964	5.025652779	3970.321198	2.9771167251	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	19927.10059	4.297287304	3042.327925	4.5777779198	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	137407.1073	24.18140178	18174.4092	7.5604742442	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	5141.237185	0.864177738	377.4517202	13.6135243619	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Scrapers25	Scrapers	25	0	0	0	0	22.08221115	0.075062145	31.84335892	0.6935819241	0	0	0	0
Scrapers50	Scrapers	50	0	0	0	0	175.7893016	0.450172866	166.3815594	1.0565643216	0	0	0	0
Scrapers75	Scrapers	75	0	0	0	0	1410.276999	1.726429331	833.5883736	1.6918114622	0	0	0	0
Scrapers100	Scrapers	100	0	0	0	0	7528.244068	5.779785152	3332.319058	2.2593168894	0	0	0	0
Scrapers175	Scrapers	175	0	0	0	0	95452.20213	48.79039414	22696.17717	4.2056510983	0	0	0	0
Scrapers300	Scrapers	300	0	0	0	0	109752.4565	47.28915125	19658.85145	5.5828530918	0	0	0	0
Scrapers600	Scrapers	600	0	0	0	0	136770.3349	263.1678796	129878.6231	10.5303834496	0	0	0	0
Scrapers750	Scrapers	750	0	0	0	0	30403.93835	3.903219531	1989.060034	15.2855310044	0	0	0	0
Scrapers9999	Scrapers	9999	0	0	0	0	31834.88997	1.951615796	799.0914019	39.8388369816	0	0	0	0
Skid Steer Loaders25	Skid Steer Loaders	25	1934717.15	554.19	176933.75	1.0931814423	1733202.25	330.81	276159	6.2761610862	0	0	0	0
Skid Steer Loaders50	Skid Steer Loaders	50	45988.7	77.63	24093.65	1.9078827446	47018.18465	156.5359365	50767.83612	0.926241	0	0	0	0
Skid Steer Loaders75	Skid Steer Loaders	75	0	0	0	0	249764.5685	504.2099568	185532.5279	1.3462018663	0	0	0	0
Skid Steer Loaders100	Skid Steer Loaders	100	614810.2	46.45	14413.85	4.2653836141	88.44697369	0.632270355	175.6461306	13.7159964373	0	0	0	0
Skid Steer Loaders175	Skid Steer Loaders	175	0	0	0	0	1689.399519	2.09247903	583.0220316	2.8976553446	0	0	0	0
Skid Steer Loaders300	Skid Steer Loaders	300	0	0	0	0	1570.131487	1.317486823	401.0109182	3.9154332811	0	0	0	0
Skid Steer Loaders600	Skid Steer Loaders	600	0	0	0	0	451.2021414	0.15499845	50.22910614	9.0226613362	0	0	0	0
Skid Steer Loaders750	Skid Steer Loaders	750	0	0	0	0	0	0	0	0	0	0	0	0
Skid Steer Loaders9999	Skid Steer Loaders	9999	0	0	0	0	611.4688867	0.15499845	32.27953537	19.0294027	0	0	0	0
Surfacing Equipment25	Surfacing Equipment	25	1237657.85	791.6	338683.5	0.3654180881	0	0	0	0	0	0	0	0
Surfacing Equipment50	Surfacing Equipment	50	0	0	0	0	434.8680321	2.742004873	689.8194305	0.6304947573	0	0	0	0
Surfacing Equipment75	Surfacing Equipment	75	0	0	0	0	265.2628598	1.054617298	263.7983506	1.0055516607	0	0	0	0
Surfacing Equipment100	Surfacing Equipment	100	0	0	0	0	2821.155702	6.819858274	1984.125514	1.4218053393	0	0	0	0
Surfacing Equipment175	Surfacing Equipment	175	0	0	0	0	2115.449892	3.866932945	961.4775786	2.1956413116	0	0	0	0
Surfacing Equipment300	Surfacing Equipment	300	0	0	0	0	4235.739359	4.85123939	1207.225429	3.5086565509	0	0	0	0
Surfacing Equipment600	Surfacing

Orange (SC)	2026 Agricultural - Bale Wagons (Self Propelled)	Aggregate	175 Diesel	1.326E-05	1.604955-05	1.910026-05	0.00018179	0.000104784	0.004379192	6.731119E-06	6.192696-06		4.036158-08	3.598218-08	1014.609717	303.2457117	0.490554258	39184.77	
Orange (SC)	2026 Agricultural - Bale Wagons (Self Propelled)	Aggregate	300 Diesel	3.634006-05	4.397236-05	5.233096-05	1.875088-05	3.084756-05	0.001306007	1.335751E-06	1.229886-06		1.109646-08	1.068606-08	301.3361203	59.41806552	0.096771718	11495.11	
Orange (SC)	2026 Agricultural - Balers (Self Propelled)	Aggregate	50 Diesel	1.577626-05	1.908826-05	2.271776-05	8.8075E-05	9.290646-05	0.001718069	4.985922-06	4.587046-06		1.551778-08	1.411676-08	398.0575909	295.2184488	0.917437009	13582.66	
Orange (SC)	2026 Agricultural - Balers (Self Propelled)	Aggregate	175 Diesel	6.30122-06	7.624466-06	9.073736-06	5.488191E-05	7.703636-05	0.001116283	3.593977E-06	3.306456-06		1.206132-08	1.081476-08	304.949081	162.0494713	0.505538835	10499.81	
Orange (SC)	2026 Agricultural - Balers (Self Propelled)	Aggregate	100 Diesel	1.112326-06	1.345918-06	1.601756-06	1.029066-05	9.582536-06	0.000246985	7.330738-07	6.744276-07		2.265446-09	2.029386-09	57.22362133	24.80658963	0.076785027	1967.946	
Orange (SC)	2026 Agricultural - Balers (Self Propelled)	Aggregate	175 Diesel	8.540916-07	1.033456-06	1.229896-06	9.085786-06	8.776386-06	0.000226593	6.695538-07	4.319886-07		2.083396-09	1.861836-09	52.49901892	19.03131978	0.05903558	2018.324	
Orange (SC)	2026 Agricultural - Combine Harvesters	Aggregate	75 Diesel	1.280926-05	1.549926-05	1.844536-05	1.036636-05	1.236326-05	0.000240266	7.983116-07	7.344646-07		2.197856-09	1.974186-09	55.66704138	36.1420906	0.100223478	2252.37	
Orange (SC)	2026 Agricultural - Combine Harvesters	Aggregate	100 Diesel	8.315016-06	1.006126-05	1.197366-05	8.89439E-05	7.222616-05	0.001605206	5.89288-06	5.421376-06		1.46910-08	1.318946-08	371.9038458	165.8720725	0.461804193	14115.62	
Orange (SC)	2026 Agricultural - Combine Harvesters	Aggregate	175 Diesel	1.245656-05	1.507236-05	1.793736-05	0.000117485	0.000125321	0.002869916	1.028465-06	7.108666-06		5.539966-08	2.619466-08	2.65734E-04	0.000144131	208.8806168	0.591436337	29205.59
Orange (SC)	2026 Agricultural - Combine Harvesters	Aggregate	300 Diesel	8.066830-05	9.760866-05	0.000116162	0.000395963	0.000948725	0.026379892	1.589148-05	3.302810-05		2.431086-07	2.167526-07	611.878596	1125.512615	3.087699914	260905.6	
Orange (SC)	2026 Agricultural - Combine Harvesters	Aggregate	50 Diesel	1.41706-05	1.715426-05	2.041786-05	0.000120178	0.000135231	0.003078631	1.124178-06	5.699216-06		1.538626-08	1.384176422	1.15152207	79231.75			
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	50 Diesel	0.000014346	0.000162559	0.000193459	0.00054294	0.000494142	0.007924965	3.745415-05	3.445758-05		6.973138-08	6.51164E-08	1836.125539	1776.288317	4.588371541	78732.15	
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	75 Diesel	9.443146-05	0.000114262	0.000135981	0.000354648	0.000822098	0.012889566	5.473545-05	5.035566-05		1.171376-07	1.059036-07	2986.367806	2620.825079	5.516679986	82736.33	
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	100 Diesel	0.000179078	0.000216682	0.000257869	0.000552952	0.001377818	0.021935203	0.000116265	0.000106964		2.364047E-07	2.136496-07	6028.09	2564979.07	7.599080001	908516.2	
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	175 Diesel	0.000035455	0.000426471	0.000507536	0.002970449	0.002902129	0.046976302	0.000179539	0.000165175		6.128039E-07	5.503180-07	15517.65761	6053.467049	10.14978164	749828.5	
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	300 Diesel	0.000238524	0.000286547	0.000341128	0.002822541	0.003942725	0.063849575	9.313476-05	0.000152055		1.648847-07	1.490446-07	4204.810449	4524820.094	4.524820094	494043.1	
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	600 Diesel	2.234235-05	2.703426-05	3.21735-05	9.2213E-05	0.000198973	0.004433041	8.584955-06	7.898165-06		3.975275-08	3.568536-08	1006.215286	137.0828619	0.155423024	48392.61	
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	100 Diesel	1.82445-06	2.207526-06	2.627136-06	3.30353E-05	1.777506-05	0.000421841	1.314161-06	1.208896-06		7.594597-09	6.752756-09	190.4114444	81.80302823	0.248243907	7262.273	
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	175 Diesel	5.702016-06	6.899446-06	8.2106E-06	0.000101592	5.37005E-05	0.002583292	3.134595-06	2.883826-06		2.18736-08	2.12259E-08	598.5205907	207.7425538	0.456917447	25438.11	
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	300 Diesel	8.816069E-06	8.240946-06	9.80074E-06	4.47832E-05	6.840454-05	0.00333262	2.793155-06	2.56976-06		3.081441E-08	2.73828E-08	772.1305755	134.3630038	0.291229828	33183.89	
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	100 Diesel	1.172883E-06	1.419138-06	1.68888E-06	0.000134646	0.000134646	0.000519882	4.834442E-06	1.444776-06		4.791398-08	1.348397698	1.66E-04	0.000144131	0.389374109	72947.86	
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	175 Diesel	5.244686-07	6.346068-07	7.55234E-07	4.36462E-06	4.57216E-06	0.000101751	3.727446-07	3.429241-07		9.313148-10	8.360483E-10	23.57459439	11.39389352	0.031109972	911.3115	
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	300 Diesel	4.598872E-06	6.049946-07	7.19817E-07	2.22372E-06	4.58845-06	0.000544154	2.258661-07	2.078247-07		1.329581-09	1.186169	33.44514987	6.153964766	0.018562174	1437.626	
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	600 Diesel	4.520399-06	5.469676-06	6.509368-06	2.776111E-05	4.906311-05	0.001832078	1.966795-06	1.809456-06		1.691658-08	1.505358-08	424.4719243	43.26585199	0.107497542	18449.43	
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	50 Diesel	1.629376-05	1.914756-05	2.249576-05	0.000129963	0.000125433	0.002455426	1.035576-06	1.018596-06		2.822376-08	2.504726-08	706.9956458	211.2499148	0.631149353	24837.47	
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	75 Diesel	1.623376-05	1.907038-05	2.344856-05	0.000294005	0.000276361	0.007583664	6.74316-06	6.203836-06		7.009656-08	6.23122E-08	1757.049949	1047.838281	2.666445397	68484.26	
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	100 Diesel	2.958226-05	3.475446-05	4.259816-05	0.000220963	0.000215436	0.004724527	1.904726-06	1.847227-06		2.375286-07	2.104727-07	5934.826701	3806.315524	9.996283705	230815.8	
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	175 Diesel	3.976686-05	4.81432E-05	5.72329E-05	0.000928052	0.000341413	0.02409183	1.910276-05	1.757565-05		2.230416-07	1.979535-07	5581.806596	1894.011345	3.853489485	234172.2	
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	300 Diesel	2.058397E-05	2.494906-05	2.964516-05	0.000372117	0.000176811	0.012481255	6.601296E-06	7.792416-07		1.200146-08	1.064936-08	300.3867326	66.16041025	0.190475703	11584.54	
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	600 Diesel	1.58256E-05	1.9149E-05	2.27889E-05	0.000157333	0.000140306	0.012131187	5.88238E-06	5.41178E-06		1.14116-07	1.011736-07	2852.827178	377.3153808	0.881590631	122627.6	
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	50 Diesel	1.13127E-05	1.37128E-05	1.631916-05	8.384E-05	7.12116-05	0.00134805	5.126846-06	2.876786-06		1.218864E-08	1.1068-08	311.8647645	313.7016426	0.834128753	10206.12	
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	75 Diesel	1.994046-05	2.414756-05	2.874146-05	0.000147745	0.000125495	0.000934995	0.000903169	8.223036-06		2.147736-08	1.950486-08	549.5511407	530.7643681	0.451175546	43178.07	
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	100 Diesel	5.34238E-06	6.46428E-06	7.69302E-06	0.000594473	0.000350479	0.013237009	1.205822E-06	2.549360-05		1.216031-07	1.087613-07	3066.866349	1385.409707	1.150378169	118661.2	
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	175 Diesel	4.047136-06	4.897026-06	5.827866-06	2.84941E-05	4.099314-05	5.72486-05	2.564076-07	2.397126-07		7.956464-08	7.1125E-08	2010.34614	664.2545048	0.998107571	88074.86	
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	300 Diesel	3.56889E-06	4.31835E-06	5.13932E-06	0.000154804	0.000338418	0.009411474	1.421726-05	1.307986-05		8.652676-08	7.73304E-08	2180.532915	435.0851129	0.642335279	93043.75	
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	600 Diesel	1.318483E-05	1.595706-05	1.898526-05	6.55328E-05	0.000248669	0.000219599	0.000370319	0.338660-05		1.391576-08	1.09372E-08	308.8254479	87.56562572	0.138699921	20462.49	
Orange (SC)	2026 Agricultural - Others	Aggregate	50 Diesel	9.57526E-06	1.158616-05	1.378846-05	4.66481E-05	4.327726-05	0.000755929	2.734476-06	2.515751-06		6.748568-08	6.21118E-08	175.1403573	166.9366189	0.318053469	7512.148	
Orange (SC)	2026 Agricultural - Others	Aggregate	75 Diesel	1.83126E-06	2.217166-06	2.63386-06	1.37606E-05	1.716286-05	0.000311686	1.034595-06	9.516366-07		2.844056-09	2.563103-09	72.24123333	47.6528869	0.098157702	3067.424	
Orange (SC)	2026 Agricultural - Others	Aggregate	100 Diesel	2.774346-06	3.358426-06	3.991116-06	5.66777E-05	5.555176-05	0.001281901	4.614526-06	4.316586-06		1.171618-08	1.055208-08	297.0020261	246.3105946	0.285357565	12729.06	
Orange (SC)	2026 Agricultural - Others	Aggregate	175 Diesel	2.07559E-06	2.511476-06	2.98866E-06	0.000187078	0.000190329	0.004402471	1.105166-06	1.016756-06		4.035146-08	3.617364-08	1020.003466	381.4776998	0.772446146	48637.77	
Orange (SC)	2026 Agricultural - Others	Aggregate	300 Diesel	2.30535E-06	2.862086-06	3.406116-06	0.000224604	0.000576039	0.013350626	3.504E-06	2.668276-06		5.285796-08	4.737736-08	1335.924159	292.628093	0.587075125	52293.12	
Orange (SC)	2026 Agricultural - Others	Aggregate	600 Diesel	0.000110932	0.000134228	0.000159741	0.00067348	0.001144114	0.029371397	4.876047E-05	4.486355-05		2.682046-07	2.397068-07	6759.148635	862.0507559	1.747248239	322302.7	
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	50 Diesel	2.31685E-05	2.802536-05	3.334756-05	0.000107749	9.95305E-05	0.001708864	6.527666-06	6.004106-06		1.544348-08	1.422336-08	401.0191665	494.6027901	0.779228825	16038.61	
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	75 Diesel	6.67098E-06	8.07188E-06	9.60622E-06	4.73632E-05	6.111246-05	0.001058932	3.778426-06	3.476156-06		9.655898-09	8.70083E-09	245.342887	166.0451016	0.299349713	10019.33	
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	100 Diesel	1.466902-05	1.767716-05	2.103726-05	0.000108304	0.000111256	0.003428703	9.288776-06	8.543816-06		2.216698-08	1.995576-08	562.7031033	262.432021	0.467939001	21153.52	
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	175 Diesel	2.477456-05	2.986226-05	3.553426-05	0.000182966	0.000227949	0.005905877	1.31032E-05	1.205485-05		4.111138-08	3.701885436	1039.805436	830.6824554	1.771851942	51681.11	
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	300 Diesel	1.0811E-05	1.303015-05	1.556646-05	4.86117E-05	0.000113785	0.00254161	4.854455-06	4.466096-06		2.331188-08	2.088346-08	588.8625862	122.0499565	0.220597523	26616.35	
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	600 Diesel	1.29636-07	1.56882-07	1.87417E-07	4.74673E-07	1.38482E-06	3.18216-05	5.940457E-07	5.465412E-07		7.656222-10	6.846168-10	1.93E-04	4.65581308	0.004901891	876.6823	
Orange (SC)	2026 Agricultural - Washers/Windrowers/Hay Conditioners	Aggregate	50 Diesel	3.28045E-06	3.969346-06	4.72585E-06	3.06454E-05	3.141616-05	0.00060539	1.091166-06	1.003876-06		5.955086-09	5.3446-09	150.687972	123.6563373	0.285588552	5487.457	
Orange (SC)	2026 Agricultural - Washers/Windrowers/Hay Conditioners	Aggregate	75 Diesel	1.096666E-05	1.327196-05	1.581536-05	0.000159797	0.000163037	0.003872861	4.960979E-06	4.572216-06		3.126486-08	2.810436-08	920.4672645	510.9805473	1.098134253	30549.99	
Orange (SC)	2026 Agricultural - Washers/Windrowers/Hay Conditioners	Aggregate	100 Diesel	2.046076-05	2.475756-05	2.94634E-05	0.000357122	0.000317539	0.008861737	1.358494-05	1.250238-05		8.186698-08	7.28134E-08	2053.165052	871.0912213	1.896047306	74692.67	
Orange (SC)	2026 Agricultural - Washers/Windrowers/Hay Conditioners	Aggregate	175 Diesel	1.042314-05	1.260986-05	1.50068E-05	0.000194897	0.000161714	0.004511008	6.914916-06	6.369726-06		4.597146-08	4.08065E-08	1156.644382	375.2716858	0.794522071	44173.38	
Orange (SC)	2026 Agricultural - Washers/Windrowers/Hay Conditioners	Aggregate	300 Diesel	1.417256E-05	1.714386-05	2.040526-05	0.000265429	0.000219744	0.00613	3.869E-05	1.619526-06		6.375867E-08	5.658E-08	1597.964814	510.9805473	1.098134253	30549.99	
Orange (SC)	2026 AirGroup - A/C Tug Narrow Body	Aggregate	25 Diesel	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Orange (SC)	2026 AirGroup - A/C Tug Narrow Body	Aggregate	50 Diesel	2.282466-07	2.761776-07	3.286766-07	0.000108834	9.22616-05	0.010404402	9.025323E-06	8.303206-06		9.214454-08	8.194916-08	325.7523663	245.2428042	0.760358087	10579.54	
Orange (SC)	2026 AirGroup - A/C Tug Narrow Body	Aggregate	75 Diesel	3.114895E-06	3.769026-06	4.48544E-06	1.739576-05	3.20355-05	0.00225821	2.67876-06	2.46404-06		2.082046-07	2.397006-07	6759.148635	862.0507559	1.747248239	322302.7	
Orange (SC)	2026 AirGroup - A/C Tug Narrow Body	Aggregate	100 Diesel	4.495262E-05	5.38176-05	6.40872E-05	0.000721215	0.000722176	0.008587434	1.611029E-05	1.482356-05		1.040368-06	3.225318-06	1667.628852	1471.908716	4.293444227	172450.4	
Orange (SC)	2026 AirGroup - A/C Tug Narrow Body	Aggregate	175 Diesel	8.132916-05	9.840848-05	0.000117514	0.001635245	0.001142076	0.276105771	5.551726-05	5.107586-05		2.550236-06	2.25354E-06	8957.947663	2401.646001	7.13798764	323462.3	
Orange (SC)	2026 AirGroup - A/C Tug Narrow Body	Aggregate	300 Diesel	3.827276-06	4.630996-05	5.511276-05	0.000269986	0.000585044	0.153744793	1.710131-05	1.573136-05		1.42038-06	1.25484E-06	4988.080161	804.4152277	2.382429529	180120.6	
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	25 Diesel	2.77E-07	1.140196-06	1.834756-06	5.06084E-06	0.000226279	0.174388-07	0.000226279	1.743E-07		9.451878-08	8.346556-08	331.7805357	17.13521761	0.774228683	5404.855	
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	50 Diesel	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	75 Diesel	7.94134E-07	9.61144E-07	1.14384E-06	1.51544E-05	1.12546E-05	0.002180924	5.035690E-07	4.632808-08		2.031998-08	1.780048-08	70.75769343	47.30617306	0.115539843	2294.349	
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	100 Diesel	1.54852-06	1.87368E-06	2.22983E-06	1.78227E-05	1.84922-05	0.002568491	1.26333-06	1.16227-06		2.370058-08	2.09637-08	83.33195201	47.30617306	0.115539843	3003.942	
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	175 Diesel	6.23122E-06	7.54278-06	8.97383E-06	9.42444E-05	5.57357E-05	0.011934584	5.005257E-06	4.604968-06		1.286459-07	1.137136-07	452.092436	189.2246922	0.462159731	16296.98	
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	300 Diesel	7.18307E-06	8.69151E-06	1.03436E-05	0.000210751	8.23122E-05	0.037111701	3.016595E-06	2.775266-06		3.429010-07	3.029010-07	1204.048283	283.8370383	0.6932906	41403.41	
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	600 Diesel	5.41361E-06	6.57467E-06	7.82464E-06	0.000656185	0.000403546	0.34917281	1.522681E-05	1.399156-05		1.232656-06	2.84998-06	11326.52726	1692.329739	4.159434359	408270.9	
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	750 Diesel	4.26226E-05	5.15734E-05	6.13725E-05	0.000457862	0.000318009	0.000496878	0.017270535	1.599438-05		1.140076-06	5.588127486		1.38647812	203.4860.6		
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	750 Diesel	8.2309E-06	9.99947E-06	1.18526E-05	2.91507E-05	0.000182794	0.013958046	4.862426-06	4.473416-06		1.288028-07	1.13924E-07	452.8534342	25.92119072	0.115539843	16330.35	
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	25 Diesel	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	50 Diesel	1.504118E-05	1.82006E-05	2.16602E-05	0.000181195	0.000145732	0.02203402	7.039101E-06	6.476166-06		2.032646-07	1.798396-07	714.8695288	750.3030477	1.018110961	33704.87	
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	75 Diesel	4.57576E-06	5.53847E-06	6.59096E-06	0.000372117	0.000562142	0.158494638	1.655989-06	2.523216-05		1.463998-06	1.26016-06	5142.188911	4055.272493	5.430810727	179828.8	
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	100 Diesel	6.70891E-06	8.11778E-06	9.66083E-05	0.000116976	0.000817179	0.157407174	2.600235-05	2.392225-05		1.45329E-06	1.284746-06	5106.902411	2989.498772	4.020231026	267080.1	
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	175 Diesel	9.852216-06	1.19212E-06	1.41872E-06	1.14419E-05	8.18752E-06	0.001818594	6.950545E-07	6.39451-07		1.678428-08	1.484316-08	59.00228786	25.44740256	0.052210819	3093.075	
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	300 Diesel	1.346376-06	4.04188E-06	4.80413E-06	1.7645E-05	6.16059E-05	0.00629451	1.618876-06	1.43187E-06		7.656868-08	6.769-08	269.1068772	78.36277265	0.162001547	14305.3	
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	25 Diesel	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	50 Diesel	1.673424-07	2.024846-07	2.409716-07	0.000122005	9.557916-05	0.013671767	6.126146-06	5.636096-06		1.259E-07	1.115876-07	443.565416	512.1615712	0.975591169	22995.26	
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	75 Diesel	6.10925E-06	7.39219E-06	8.79731E-06	0.000624293	0.000643095	0.089076984	4.476676-06	4.118545-06		8.21728E-07	7.27034E-07	2890.00463	2608.823004	4.969418839	166500.5	
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	100 Diesel	2.498606E-05	3.022265-05	3.597215-05	0.000455824	0.000319778	0.08625279	1.774715-06	1.607386-05		5.57E-07	2.214385617		1486.144694	2.988178262	127646	
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	175 Diesel	5.09963E-06	6.17055E-06	7.34346E-06	8.42491E-05	5.02894E-05	0.006919585	3.442155-06	3.166786-06		6.1822E-08	5.64767E-08	224.4983094	102.8700592	0.213410616	12941.52	
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	300 Diesel	1.286602E-05	1.55609E-05	1.851876-05	8.91912E-05	1.27719E-05	0.004510088	6.081568-07	5.595068-07		4.165946-08	3.681078-08	146.124627	32.0108882	0.080974642	8434.641	
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	600 Diesel	1.629826-05	1.972126-05	2.347196-05	7.08869E-05	1.94089E-05	0.006944164	8.283118-06	8.834938-08		1.586078-08	1.267E-08	126.3134066	16.0805661	0.038487231	4274.853	
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	750 Diesel	3.97588E-06	4.81081E-06	5.72526E-06	0.134665E-05	5.30765E-05	0.000228564	2.700410-06	2.484376-06		2.089428-08	1.863898-08	74.09064181	6.839764573	0.030487231	4274.853	
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	25 Diesel	2.206316-07	2.536816-07	3.01872E-07	1.68474E-06	1.41419E-06	0.000844664	1.958161E-07	1.525852-07		4.472486-09	3.956168-09	15.71802199	2.654313264	0.062767628	741.0583	
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	50 Diesel	2.52516E-06	3.00545E-06	3.63623E-06	2.17665E-05	1.77161E-05	0.003056753	7.203716-07	6.627416-07		2.818518-08	2.494858-08	99.1717016	103.0388662	0.252107183	4676.166	
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	75 Diesel	1.04064E-05	1.28773E-05	1.52448E-05	2.39967E-05	1.94117E-05	0.003477338	8.162322-07	7.527746-07		3.461738-08	3.064178-08	121.5912233	88.92699793	0.233973102	8839.772	
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	100 Diesel	1.47064E-07	1.77925E-07	2.11746E-07	8.14516E-06	3.52496E-06	0.001394507	2.348728-06	2.160828-08		1.288858-08	1.138188-08	45.24245889	29.64231266	0.080767828	2371.387	
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	175 Diesel	5.85503E-06	7.08458E-06	8.43124E-06	5.73791E-05	5.68787E-05	0.011583435	4.151516-06	3.819386-06		1.065186-07	9.45414E-08	375.8076132	162.2935315	0.376609597	15098.06	
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	300 Diesel	1.39376E-06	1.20446-05	1.43342E-05	0.000107	0.000108294	0.025190247	3.884727E-06	3.573446-06		4.726E-07	4.196E-07	1683.910857	629.0754525	0.941574425	88263.39	
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	25 Diesel	4.33113E-07	5.24089E-07	6.23709E-07	9.76168E-06	8.06107E-06	0.001622477	3.180404E-08	2.931166-08		1.498768-08	1.324248-08	52.63947934	109.3453663	0.223573027	2733.626	
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	50 Diesel	1.40065E-06	1.72187E-06	2.06537E-06	1.50892E-05	2.91651E-05	0.005601514	8.984962E-07	8.266187-07		4.549218-08	4.025048-08	159.9975473	231.229641	0.503039391	8168.67	
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	100 Diesel	6.17807E-06	7.47547E-06	8.89642E-05	0.000127989	0.000883228	0.191985103	3.351966-05	3.085646-05		1.790346-08	1.582146-08	628.9508889	4225.834545	8.942921069	362990.9	
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	175 Diesel	5.96078E-06	7.21254E-06	8.58282E-05	0.001858883	0.000844169	0.181668822	2.032255-06	1.869566-06		2.921386-08	2.582178291		4577.694824	9.390067126	340825.9	
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	300 Diesel	5.46869E-06	6.61731E-06	7.87491E-06	5.78204E-05	4.52431E-05	0.02945323	1.61566-06	1.486356-06		2.721466-07	2.403938-07	955.5775949	258.5655801	0.558932567	55166.58	
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	600 Diesel	3.43646E-06	4.15816E-06	4.94835E-06	5.15609E-05	1.40676E-05	0.027670884	5.052723E-06	4.64851E-07		2.557286-07	2.258406-07	897.7508838	164.0175545	0.33529554	51829.55	
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	25 Diesel	4.84E-07	5.86E-07	6.97E-07	1.09E-05	7.73E-06	0.001441604	5.054712-07	4.648E-07		2.381077E-07	2.482E-07	986.7683262	32.00877723	0.167677777	56968.76	
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	50 Diesel	1.59495E-07	1.16095E-06	1.38163E-06	1.61384E-05	1.08122E-05	0.002007843	5.446066E-08	5.010376-08		1.853476-08	6.83877E-08	65.14226774	135.3052355	0.177319293	3132.631	
Orange (SC)	2026 AirGroup - Cargo Tractor	Aggregate	75 Diesel	1.487026-06	1.76958E-06	2.1413E-06	0.000102209	7.74662E-05	0.010380673	1.544276-06	1.421716-06		9.552846-08	8.47257E-08	336.7980554	478.3477642	0.979899153	16194.71	
Orange (SC)	2026 AirGroup -

Orange (SC)	2026 ConstMin - Paving Equipment	Aggregate	175 Diesel	0.000140066	0.00001837	0.000214655	0.003083747	0.001530181	0.528150016	7.491614E-05	6.892311E-05	4.87854E-06	4.31069E-06	171352461	6464.731235	13.67225114	933574.8
Orange (SC)	2026 ConstMin - Paving Equipment	Aggregate	300 Diesel	9.27367E-05	0.000100111	0.000119141	0.000713479	0.000861362	0.340344781	3.52109E-05	1.23944E-05	3.14417E-06	2.77785E-06	110411174	4166.711064	5.498622743	600361.7
Orange (SC)	2026 ConstMin - Paving Equipment	Aggregate	600 Diesel	5.88233E-05	7.11762E-05	8.47056E-05	0.000746764	0.00042457	0.392675731	1.64176E-05	1.51036E-05	3.62872E-06	3.20497E-06	127393162	1757.377162	1.566674212	694029.1
Orange (SC)	2026 ConstMin - Paving Equipment	Aggregate	750 Diesel	1.13922E-05	1.37847E-05	1.64049E-05	0.000129896	9.45777E-05	0.069973989	1.46181E-06	1.34562E-06	6.46658E-07	5.71118E-07	22752293.5	194.1254181	0.371528564	123899.7
Orange (SC)	2026 ConstMin - Paving Equipment	Aggregate	9999 Diesel	6.53089E-06	7.90238E-06	9.40449E-06	6.56994E-05	0.000154326	0.034112738	2.64507E-06	2.43347E-06	3.15193E-07	2.78424E-07	11067502.31	71.45091003	0.148651425	60234.17
Orange (SC)	2026 ConstMin - Rollers	Aggregate	25 Diesel	1.71164E-06	2.07314E-06	2.46721E-06	5.69683E-06	3.92273E-06	0.002099759	5.39297E-07	4.96156E-07	2.72002E-09	2.44659E-09	95.72534603	18.04276622	0.035655754	451.0692
Orange (SC)	2026 ConstMin - Rollers	Aggregate	50 Diesel	0.001463003	0.001770306	0.00210681	0.01330721	0.011803852	1.916931317	0.000502574	0.000462368	1.76791E-05	1.56458E-05	62192.78651	8835.73984	0.232008766	2882429
Orange (SC)	2026 ConstMin - Rollers	Aggregate	75 Diesel	5.67587E-05	6.86781E-05	8.17126E-05	0.000224755	0.000550114	0.019133373	3.952101E-05	3.63585E-05	1.75195E-07	1.56164E-07	620.7612094	451.0691555	1.918393151	32007.87
Orange (SC)	2026 ConstMin - Rollers	Aggregate	100 Diesel	0.001067414	0.001299714	0.001546768	0.010229363	0.014002797	2.979189431	0.000652326	0.000600314	2.74841E-05	2.42913E-05	96598.18859	56988.97025	166.5087215	4974426
Orange (SC)	2026 ConstMin - Rollers	Aggregate	175 Diesel	0.000585315	0.000708231	0.000842853	0.017091884	0.005873449	1.099525031	0.000261187	0.000240292	2.86114E-05	2.52734E-05	100463.3444	36032.19649	97.37889368	5181869
Orange (SC)	2026 ConstMin - Rollers	Aggregate	300 Diesel	0.000169072	0.000204577	0.000243464	0.001703108	0.002060224	0.428823285	8.35888E-05	7.69308E-05	4.48636E-06	4.11748E-06	171622478	4055.562777	2.708251369	883026.8
Orange (SC)	2026 ConstMin - Rollers	Aggregate	600 Diesel	6.52136E-05	7.89085E-05	9.39076E-05	0.00077117	0.000779344	0.283944251	2.71199E-05	2.49504E-05	2.62325E-06	2.31751E-06	92122585.1	1339.224323	4.287121105	473750.9
Orange (SC)	2026 ConstMin - Rough Terrain Forklifts	Aggregate	25 Diesel	7.04639E-07	8.52493E-07	1.01454E-06	9.42019E-06	1.15496E-05	0.001352365	6.60868E-07	5.52626E-07	1.24803E-08	1.03911E-08	4.39552E+09	75.89328885	0.225041119	83.09783
Orange (SC)	2026 ConstMin - Rough Terrain Forklifts	Aggregate	50 Diesel	5.64713E-05	6.81902E-05	8.11396E-05	0.000547557	0.000546962	0.109229096	1.75756E-05	1.61910E-05	8.87932E-07	7.85400E-07	3122.04764	1817.288747	0.983218152	149226.8
Orange (SC)	2026 ConstMin - Rough Terrain Forklifts	Aggregate	75 Diesel	7.47587E-06	9.04588E-06	1.07653E-05	3.11186E-05	7.41752E-05	0.00324521	5.45726E-06	5.02068E-06	2.97793E-08	2.64870E-08	105.2872746	81.41309635	0.353388253	5042.927
Orange (SC)	2026 ConstMin - Rough Terrain Forklifts	Aggregate	100 Diesel	0.000178968	0.000216668	0.000257849	0.001992611	0.002499502	0.597593197	0.000404975	0.000372955	1.71059E-05	1.57284E-05	60244.0495	11295.08	0.229538302	28538.42
Orange (SC)	2026 ConstMin - Rough Terrain Forklifts	Aggregate	175 Diesel	0.000420002	0.000508202	0.000604803	0.008914128	0.003973982	1.604515422	0.000282885	0.000258182	1.48188E-05	1.30929E-05	52044.92622	19784.83994	69.08740349	2503877
Orange (SC)	2026 ConstMin - Rough Terrain Forklifts	Aggregate	300 Diesel	2.30905E-05	2.7934E-05	3.32393E-05	0.000307077	0.000322495	0.127240444	7.51967E-06	6.93805E-06	4.12839E-07	3.61849E-07	1599.771521	1622.229059	1.922229059	110259.1
Orange (SC)	2026 ConstMin - Rough Terrain Forklifts	Aggregate	600 Diesel	5.015E-06	6.06633E-06	7.21944E-06	7.624E-05	4.18525E-05	0.041855994	7.33644E-07	6.74952E-07	3.88629E-07	3.41623E-07	1357.971614	163.242628	0.618429443	65268.94
Orange (SC)	2026 ConstMin - Rough Terrain Forklifts	Aggregate	750 Diesel	1.50607E-06	1.82234E-06	2.16873E-06	1.47618E-05	2.01766E-05	0.007874251	1.45355E-07	1.33723E-07	7.27562E-08	6.42688E-08	255.4714079	19.67656676	0.088347063	12297.85
Orange (SC)	2026 ConstMin - Rubber Tired Dozers	Aggregate	25 Diesel																
Orange (SC)	2026 ConstMin - Rubber Tired Dozers	Aggregate	50 Diesel	6.59164E-05	7.97588E-05	9.49196E-05	0.000779666	0.000535565	0.084519949	1.83476E-05	1.68792E-05	7.79453E-07	6.89804E-07	2742.156647	2925.942532	2.986257448	120621.7
Orange (SC)	2026 ConstMin - Rubber Tired Dozers	Aggregate	75 Diesel	0.000103525	0.000125287	0.000149081	0.001225803	0.000841304	0.132822792	2.88147E-05	2.65109E-05	1.22453E-06	1.08335E-06	430.7504	1023.612256	2.694915258	163148.1
Orange (SC)	2026 ConstMin - Rubber Tired Dozers	Aggregate	100 Diesel	0.000232549	0.000281184	0.00033487	0.002114024	0.002298715	0.271828333	0.000164397	0.000151246	2.50623E-06	2.21863E-06	881917.1052	5070.231833	5.754008254	426371.9
Orange (SC)	2026 ConstMin - Rubber Tired Dozers	Aggregate	175 Diesel	0.000247301	0.000299235	0.000356114	0.002466183	0.002557754	0.364245576	0.000153179	0.000140946	2.97357E-06	2.73511E-06	1182.103964	3970.321598	5.602557794	1979948.9
Orange (SC)	2026 ConstMin - Rubber Tired Dozers	Aggregate	300 Diesel	0.000320037	0.000387245	0.000460854	0.002869426	0.004127137	0.429267338	0.000182909	0.000168277	3.95919E-06	3.50362E-06	1392710604	3042.329525	4.297297304	680383.5
Orange (SC)	2026 ConstMin - Rubber Tired Dozers	Aggregate	600 Diesel	0.000218767	0.000265708	0.000319025	0.002160328	0.002562406	0.425212806	0.000112969	0.000103914	1.96728E-06	1.74097E-06	692116.4972	1860.271852	2.960755144	337284.2
Orange (SC)	2026 ConstMin - Rubber Tired Dozers	Aggregate	750 Diesel	5.89724E-05	7.13143E-05	8.55353E-05	0.000537778	0.000653078	0.154063485	2.44923E-05	2.25299E-05	1.46338E-06	1.29338E-06	514.1716585	377.6517826	1.384177738	2154954.2
Orange (SC)	2026 ConstMin - Rubber Tired Loaders	Aggregate	25 Diesel																
Orange (SC)	2026 ConstMin - Rubber Tired Loaders	Aggregate	50 Diesel	0.000325841	0.000394217	0.000465021	0.003612525	0.001878749	0.26601883	9.72062E-05	8.94297E-05	2.44988E-06	2.17137E-06	861.32096	9961.102168	11.23567793	413681.8
Orange (SC)	2026 ConstMin - Rubber Tired Loaders	Aggregate	75 Diesel	1.9856E-06	2.40267E-06	2.8593BE-06	7.78888E-06	1.90278E-05	0.000650334	1.39508E-06	1.28348E-06	5.95308E-09	5.30794E-09	21.09935898	17.85215888	0.075916709	1127.206
Orange (SC)	2026 ConstMin - Rubber Tired Loaders	Aggregate	100 Diesel	0.001325584	0.004029957	0.001598841	0.048583456	0.013705239	4.680944093	0.001899508	0.001747621	5.98188E-05	5.28950E-05	210183.8492	138.7754744	0.591133101	
Orange (SC)	2026 ConstMin - Rubber Tired Loaders	Aggregate	175 Diesel	0.005103325	0.006175023	0.007348788	0.096171498	0.040835133	15.57253935	0.002127935	0.001957701	0.000141974	0.000125469	498745.1095	178285.3536	183.8702692	26726241
Orange (SC)	2026 ConstMin - Rubber Tired Loaders	Aggregate	300 Diesel	0.005954918	0.007205451	0.008575082	0.047980276	0.055036892	21.67274629	0.003479988	0.003178005	0.000209107	0.000176897	703148.3852	182177.0772	167.3982433	37668813
Orange (SC)	2026 ConstMin - Rubber Tired Loaders	Aggregate	600 Diesel	0.008701764	0.010529125	0.012530528	0.070113555	0.080396158	31.67342977	0.005085803	0.004643989	0.000307144	0.000259645	1027244.92	263130.8949	0.855274152	55055462
Orange (SC)	2026 ConstMin - Rubber Tired Loaders	Aggregate	750 Diesel	0.000076723	0.000928348	0.001104811	0.000987829	0.005166007	2.492532229	0.000318391	0.000291332	2.30217E-05	1.94529E-05	76939.45991	2.302175	0.034370578	4331825
Orange (SC)	2026 ConstMin - Rubber Tired Loaders	Aggregate	9999 Diesel	0.000254649	0.000308184	0.000366907	0.002359554	0.001285954	0.662494747	0.000142359	0.000130255	1.46404E-05	1.28255E-05	4892.277222	9870.512865	0.000292192	1155.642
Orange (SC)	2026 ConstMin - Scrapers	Aggregate	25 Diesel	2.08714E-07	2.50124E-07	2.97656E-07	4.33518E-06	3.43157E-06	0.000680751	1.42547E-08	1.31146E-08	6.28768E-09	5.5562E-09	22.98621115	31.84335892	0.077062145	796.084
Orange (SC)	2026 ConstMin - Scrapers	Aggregate	50 Diesel	2.07721E-05	2.48971E-05	2.96253E-05	0.000187667	0.000135906	0.026851255	0.000541825	0.000498114	8.98311E-06	8.24231E-06	3175.993016	166.3815904	0.450372804	16944.96
Orange (SC)	2026 ConstMin - Scrapers	Aggregate	75 Diesel	4.18872E-05	5.06836E-05	6.03176E-05	0.000325073	0.000405195	0.043468173	3.27622E-05	3.01413E-05	4.00628E-07	3.54783E-07	137.1620999	833.5883736	1.726429331	56427.83
Orange (SC)	2026 ConstMin - Scrapers	Aggregate	100 Diesel	0.000174439	0.000211072	0.000251193	0.001732381	0.002172959	0.231208846	0.000153778	0.000141476	2.14008E-05	1.89387E-05	7528.244908	3112.210958	5.779785152	390503.7
Orange (SC)	2026 ConstMin - Scrapers	Aggregate	175 Diesel	0.001224469	0.001501949	0.001790149	0.018464477	0.013133925	2.942804917	0.000609093	0.000560313	2.75616E-05	2.40128E-05	9545.22213	22696.17757	48.79039414	3883059
Orange (SC)	2026 ConstMin - Scrapers	Aggregate	300 Diesel	0.001476789	0.001786915	0.002126577	0.010027703	0.016572272	3.382838097	0.00074236	0.000682972	1.12317E-05	2.76310E-05	109752.4565	19658.85145	47.28951525	4405406
Orange (SC)	2026 ConstMin - Scrapers	Aggregate	600 Diesel	0.001291607	0.001562851	0.001859648	0.011288188	0.013975501	4.215076152	0.000654103	0.000597804	0.000078308	0.000344078	1367730.349	12987.62351	29.12687626	3471529
Orange (SC)	2026 ConstMin - Scrapers	Aggregate	750 Diesel	0.000390693	0.000472738	0.000562597	0.005170622	0.005745473	0.937232455	0.00023867	0.000219577	8.65245E-06	7.64868E-06	30403.93835	1989.060034	3.902431531	1232339
Orange (SC)	2026 ConstMin - Scrapers	Aggregate	9999 Diesel	0.00006062	0.000787251	0.000936893	0.007551207	0.011110388	0.988228807	0.000182414	0.000165187	8.05249E-06	8.00800E-06	31814.89897	799.0914015	1.99E-06	1276282
Orange (SC)	2026 ConstMin - Skid Steer Loaders	Aggregate	25 Diesel																
Orange (SC)	2026 ConstMin - Skid Steer Loaders	Aggregate	50 Diesel	0.00067411	0.000815673	0.000970733	0.008897516	0.008404749	1.449215	0.000190501	0.000180785	1.33785E-05	1.18285E-05	470181.1465	90767.83612	156.1519505	2212129
Orange (SC)	2026 ConstMin - Skid Steer Loaders	Aggregate	75 Diesel	0.001610526	0.001948737	0.002319158	0.047250023	0.026318999	7.698352497	0.000749009	0.000689088	7.11268E-05	6.28329E-05	2497645.5085	185532.5279	504.2099568	13085922
Orange (SC)	2026 ConstMin - Skid Steer Loaders	Aggregate	100 Diesel	7.43524E-06	8.99664E-06	1.07067E-05	3.02972E-05	7.45764E-05	0.002726204	5.03285E-06	4.63022E-06	2.49822E-08	2.22509E-08	88.48867748	54.7953885	0.232499574	4639.343
Orange (SC)	2026 ConstMin - Skid Steer Loaders	Aggregate	175 Diesel	9.00319E-05	1.08919E-05	1.29628E-05	0.000367009	0.000902855	0.054581495	0.052071409	3.86139E-06	4.81156E-07	4.25E-07	1689.39519	583.0229336	1.209247907	88604.97
Orange (SC)	2026 ConstMin - Skid Steer Loaders	Aggregate	300 Diesel	7.55582E-06	9.14254E-06	1.08804E-05	9.08724E-05	9.35945E-05	0.044895278	2.64716E-06	2.43538E-06	4.42712E-07	3.94990E-07	1570.111487	401.0109182	1.317486822	82348.98
Orange (SC)	2026 ConstMin - Skid Steer Loaders	Aggregate	600 Diesel	3.74488E-06	4.53016E-06	5.39127E-06	2.45286E-05	5.58795E-05	0.013668753	2.45615E-06	2.25948E-06	1.29085E-07	1.14011E-07	453.2002138	110.5220162	0.154998403	10138.32
Orange (SC)	2026 ConstMin - Skid Steer Loaders	Aggregate	9999 Diesel	2.31246E-06	2.79808E-06	3.32994E-06	3.44249E-05	8.24294E-05	0.018808605	1.07622E-06	9.90107E-07	1.74755E-07	1.54331E-07	613.4688867	12.23795357	0.154998403	32237.95
Orange (SC)	2026 ConstMin - Surfacing Equipment	Aggregate	25 Diesel																
Orange (SC)	2026 ConstMin - Surfacing Equipment	Aggregate	50 Diesel	4.34041E-06	5.2519E-06	6.25019E-06	7.953E-05	7.87603E-05	0.013403692	1.62756E-06	1.49735E-06	1.23794E-07	1.09399E-07	434.8680151	689.8194305	2.742004873	24962.6
Orange (SC)	2026 ConstMin - Surfacing Equipment	Aggregate	75 Diesel	7.8504E-06	9.49898E-06	1.13046E-05	5.90841E-05	9.55988E-05	0.008176947	6.26547E-06	5.76424E-06	7.53561E-08	6.67318E-08	265.2628854	263.7983506	1.054617259	16935.29
Orange (SC)	2026 ConstMin - Surfacing Equipment	Aggregate	100 Diesel	1.83812E-05	2.22412E-05	2.64648E-05	0.000138309	0.000208413	0.018695481	5.28367E-06	4.86109E-06	1.76455E-07	1.56164E-07	620.5796096	1084.121514	4.819858274	179433
Orange (SC)	2026 ConstMin - Surfacing Equipment	Aggregate	175 Diesel	2.51013E-05	3.03725E-05	3.61458E-05	0.000378045	0.000277089	0.065203331	1.59958E-05	1.47161E-05	6.02084E-07	5.32181E-07	2115.644892	963.4707788	3.866929949	135676.6
Orange (SC)	2026 ConstMin - Surfacing Equipment	Aggregate	300 Diesel	3.33833E-05	4.03988E-05	4.80742E-05	0.000503111	0.000477241	0.074721365	2.88014E-05	2.64966E-05	1.08328E-06	9.58035E-07	3808.450968	1297.225249	4.851239199	170322.9
Orange (SC)	2026 ConstMin - Surfacing Equipment	Aggregate	600 Diesel	7.10136E-05	8.59507E-05	0.000102288	0.000943468	0.000746972	0.472867673	2.67085E-05	2.45718E-05	4.36977E-06	3.85948E-06	15341.67087	2439.96904	8.296324246	983915.6
Orange (SC)	2026 ConstMin - Surfacing Equipment	Aggregate	750 Diesel	2.90527E-05	3.51537E-05	4.1839E-05	0.000408939	0.000328666	0.216189213	1.14968E-05	1.05771E-05	1.99798E-06	1.76453E-06	7014.020933	698.0217034	2.244850152	85243.2
Orange (SC)	2026 ConstMin - Surfacing Equipment	Aggregate	9999 Diesel	1.43995E-05	1.7424E-05	2.07353E-05	0.000195943	0.000159343	0.107476996	6.77553E-06	6.23509E-06	8.86296E-07	6.06239E-07	2409.83533	175.6446004	0.633770355	154512.8
Orange (SC)	2026 ConstMin - Sweepers/Scrubbers	Aggregate	25 Diesel																
Orange (SC)	2026 ConstMin - Sweepers/Scrubbers	Aggregate	50 Diesel	0.000727451	0.000880244	0.001047587	0.007125811	0.005661802	0.88353208	0.000257107	0.000239711	8.14687E-06	7.21122E-06	28865.2253	30708.02443	42.16097111	1094566
Orange (SC)	2026 ConstMin - Sweepers/Scrubbers	Aggregate	75 Diesel	0.000136001	0.000164561	0.000195841	0.00806938	0.001302416	0.105425521	0.000103133	9.48824E-05	9.70631E-07	8.60469E-07	324.0149917	3025.023599	4.471582757	145892.6
Orange (SC)	2026 ConstMin - Sweepers/Scrubbers	Aggregate	100 Diesel	0.000402665	0.000487251	0.000579824	0.008512864	0.003855985	0.326032698	0.000247903	0.000228076	1.36364E-05	1.24834E-05	4988.624491	22083.24986	30.21026543	1734671
Orange (SC)	2026 ConstMin - Sweepers/Scrubbers	Aggregate	175 Diesel	0.000117188	0.000141798	0.000168751	0.002086733	0.001057573	0.340617262	4.67010E-05	4.29648E-05	3.14566E-06	2.78007E-06	1105095.193	2931.238812	3.949857467	468826.4
Orange (SC)	2026 ConstMin - Sweepers/Scrubbers	Aggregate	300 Diesel	5.96988E-05	7.22232E-05	8.59516E-05	0.000443446	0.000703994	0.204556166	2.29097E-05	2.10706E-05	1.88943E-06	1.66950E-06	663659.5132	1342.815418	1.788614702	281551.6
Orange (SC)	2026 ConstMin - Sweepers/Scrubbers	Aggregate	600 Diesel	3.77146E-05	4.56092E-05	5.43095E-05	5.22116E-05	1.41881E-05	0.027625071	5.17357E-07	4.75492E-07	8.99522E-07	7.94328E-07	3157.679	115.221836	0.351206501	22811.27
Orange (SC)	2026 ConstMin - Sweepers/Scrubbers	Aggregate	9999 Diesel	1.90585E-06	4.72608E-06	5.62442E-06	6.50532E-05	0.000155408	0.035494023	1.29572E-06	1.19207E-06	3.28043E-07	2.89698E-07	1151.564802	57.61091798	0.074525613	48854.06
Orange (SC)	2026 ConstMin - Tractors/Loaders/Backhoes	Aggregate	25 Diesel																
Orange (SC)	2026 ConstMin - Tractors/Loaders/Backhoes	Aggregate	50 Diesel	0.002216212	0.002681617	0.003191345	0.022702545	0.017903742	2.857796065	0.000670447	0.000616811	2.63553E-05	2.33249E-05	927184.0403	116372.9724	218.7689699	4428895
Orange (SC)	2026 ConstMin - Tractors/Loaders/Backhoes	Aggregate	75 Diesel	0.00111312	0.001348675	0.001605893	0.004508824	0.010375763	0.454828335	0.000387964	0.000356988	1.74004E-05	1.54009E-05	612284.5707	10864.11492	17.79775647	785507
Orange (SC)	2026 ConstMin - Tractors/Loaders/Backhoes	Aggregate	100 Diesel	0.013158427	0.015921697	0.018948135	0.301123491	0.163040397	45.82197873	0.005490148	0.005050936	0.000423252	0.000373993	1486643.636	931241.7128	1499.37786	77730145
Orange (SC)	2026 ConstMin - Tractors/Loaders/Backhoes	Aggregate	175 Diesel	0.001959814	0.002371133	0.002821844	0.047128812	0.016347545	8.006299207	0.000801483	0.000737364	7.39634E-05	6.54463E-05	259755.5572	95165.355	166.1729458	13671329
Orange (SC)	2026 ConstMin - Tractors/Loaders/Backhoes	Aggregate	300 Diesel	0.001245999	0.001507653	0.001794232	0.011703555	0.012132499	3.010531364	0.000474195	0.000436326	4.63429E-05	4.09443E-05	162755.8354	40968.92251	70.86167501	8543989
Orange (SC)	2026 ConstMin - Tractors/Loaders/Backhoes	Aggregate	600 Diesel	0.00142503	0.001724287	0.002052044	0.014540509	0.01087653	5.513504181	0.00042359	0.000389703	6.03627E-05	5.33250E-05	211972.3478	130491.9163	58.99903836	11154216
Orange (SC)	2026 ConstMin - Tractors/Loaders/Backhoes	Aggregate	750 Diesel	5.56914E-05	6.7385E-05	8.01956E-05	0.000709645	0.000517347	0.202121461	1.54619E-05	1.42248E-05	2.36179E-06	2.08672E-06	82962.06	569.7515324	0.996.401	8663.09
Orange (SC)	2026 ConstMin - Tractors/Loaders/Backhoes	Aggregate	9999 Diesel	1.00476217	0.000756223	0.000885753	0.004321126	0.011617313	0.240653304	0.000177273	0.000163091	2.07017E-05	1.82879E-05	72695.52232	3060.864469	3.201497123	3813431
Orange (SC)	2026 ConstMin - Trenchers	Aggregate	25 Diesel																
Orange (SC)	2026 ConstMin - Trenchers	Aggregate	50 Diesel	0.00072158	0.000873112	0.001039075	0.006987683	0.006106121	1.015440096	0.000243323	0.000223857	9.3666E-06	8.28798E-06	3294.683562	285511.8781	71.73641251	1137786
Orange (SC)	2026 ConstMin - Trenchers	Aggregate	75 Diesel	9.97738E-06	0.000120725	0.000143673	0.000542356	0.000955608	0.082165644	7.16203E-05	6.61660E-05	5.71759E-07	5.07388E-07	201.8953987	1122.006121	4.13745118	78078.07
Orange (SC)	2026 ConstMin - Trenchers	Aggregate	100 Diesel	0.000392727	0.000475199	0.000565527	0.004549778	0.003746227	0.660583256	0.000291324	0.000268191	4.72611E-06	4.19210E-06	1667.411187	5.44E+06	10.08240761	702693.1
Orange (SC)	2026 ConstMin - Trenchers	Aggregate	175 Diesel	8.82131E-05	0.000106738	0.000127021	0.000308459	0.000845093	0.015058943	0.015825966	5.49709E-05	1.46053E-06	1.29168E-06	513450516	1413.842887	4.728081734	197916.9
Orange (SC)	2026 ConstMin - Trenchers	Aggregate	300 Diesel	0.000140741	0.000170346	0.000202717	0.001225187	0.001853445	0.047690126	0.000141766	0.000129146	1.82018E-05	1.60281E-05	6372.114864	1.31E+06	2.708251369	1896.8
Orange (SC)	2026 ConstMin - Trenchers	Aggregate	600 Diesel	0.000141741	0.000171507	0.000204107	0.001608561	0.001578345	0.521408672	6.7304E-05	6.192E-05	4.81643E-06	4.25567E-06	1691635.5	1673.595889	4.402007132	649177
Orange (SC)	2026 ConstMin - Trenchers	Aggregate	750 Diesel	1.45924E-05	1.75492E-05	2.08753E-05	0.000283194	0.000167	0.052482978	2.26142E-05	2.08152E-05	1.34678E-06	1.19021E-06	473116247	274.4496137	0.726705385	79307.37
Orange (SC)	2026 ConstMin - Trenchers	Aggregate	9999 Diesel	2.43216E-05	2.94292E-05	3.50232E-05	0.000355653	0.000335795	0.101339796	1.56565E-05	1.44035E-05	1.21679E-07	1.08063E-07	429.5505461	19.21243958	0.081518851	16522.69
Orange (SC)	2026 ConstMin - Trenchers	Aggregate	25 Diesel																
Orange (SC)	2026 ConstMin - Aerial Lifts	Aggregate	25 Diesel	0.000828618	0.001002628	0.00119323	0.002222201	0.018896954	3.859254522	0.000316138	0.000325246	3.56559E-06	3.14987E-05	125209.2629	153144.2445	490.5481246	7064723
Orange (SC)	2026 ConstMin - Aerial Lifts	Aggregate	50 Diesel	0.000663429	0.000802749	0.000955338	0.024714902	0.012139874	4.1257849	0.000203878	0.000210976	3.81248E-05	3.36739E-05	133855.8985	117057.8466	376.1487119	8397164
Orange (SC)	2026 ConstMin - Aerial Lifts	Aggregate	75 Diesel	0.000362714	0.000438889	0.000522314	0.013519767	0.006991113	2.024777779	8.11836E-05	7.48818E-05	2.41016E-05	2.12878E-05	84619.45564	69053.22955	217.8413333	5308197
Orange (SC)	2026 ConstMin - Aerial Lifts	Aggregate	175 Diesel	5.38417E-05	6.5146E-05	7.7532E-05	0.002212296	0.000445459	0.4115515	1.87935E-05	1.72890E-05	3.80338E-06	3.35902E-06	13352.31518	6422.282717	20.60348423	837872.5
Orange (SC)	2026 ConstMin - Aerial Lifts	Aggregate	300 Diesel	1.37414E-05	4.0827E-05	4.85837E-05	4.56459E-05	0.000128795	2.210824	0.024593482	4.39026E-07	2.22727E-07	2.05072E-07	757.8039666	211.8952514	0.677.2E+08	9505931
Orange (SC)	2026 ConstMin - Aerial Lifts	Aggregate	600 Diesel	1.93146E-06	2.33707E-06	2.7813E-06	3.20302E-05	8.77872E-06	0.017464882	3.09901E-07	2.85109E-07	1.61414E-07	1.42546E-07	566.6288734	72.56508379	0.231499823	35556.89
Orange (SC)	2026 ConstMin - Forklifts	Aggregate	25 Diesel																
Orange (SC)	2026 ConstMin - Forklifts	Aggregate	50 Diesel	0.000211596	0.002676477	0.003185229	0.022059987	0.016902588	2.597433319	0.000698635	0.000642744	2.39482E-05	2.19998E-05	842703.8347	171774.0334	227.4071327	7286677
Orange (SC)	2026 ConstMin - Forklifts	Aggregate	75 Diesel	0.000301333	0.000366613	0.00043392	0.001204093	0.002867106	0.113390972	0.000225153	0.000207141	1.03858E-06	9.24813E-07	3676.187578	4965.348343	12.77990498	358558.1
Orange (SC)	2026 ConstMin - Forklifts	Aggregate	100 Diesel	0.012020017	0.014544225	0.017208833	0.215656166	0.118488996	31.1714922	0.003612681	0.003323806	0.000089367	0.000254418	101124.755	118225.642	1506.645871	97422569
Orange (SC)	2026 ConstMin - Forklifts	Aggregate	175 Diesel	0.002297125	0.003690741	0.00428994	0.059211846	0.026890329	7.888326086	0.001349723	0.001241745	9.13331E-05	8.07072E-05	32085.84968	218546.1974	282.6614788	30882082
Orange (SC)	2026 ConstMin - Forklifts	Aggregate	300 Diesel	0.000637067	0.000770827	0.000917848	0.004941976	0.005574406	1.215763372	0.000231934	0.000211427	1.98035E-05	1.75787E-05	69874.48065	31991.28415	61.34675718	7186708
Orange (SC)	2026 ConstMin - Forklifts	Aggregate	600 Diesel	0.000193881	0.000234596	0.000279188	0.00128819	0.001804302	0.544119197	6.589275E-05	6.06213E-05	5.02484E-06	4.44103E-06	17653.3481	4761.596315	6.389524489	1687761
Orange (SC)	2026 ConstMin - Forklif

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	Equipment Type	Horsepower HP	Gas				Diesel				Natural Gas			
			Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	171106.95	1171.5	566312.1	0.302140966	8208.85	18.43	15008.8	0.546935796	0	0	0	0
Air Compressors50	Air Compressors	50	52698.7	48.55	23469.5	2.245412131	92432.6	111.35	90667.75	1.019689954	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	285619.8	157.42	76091.55	3.753633616	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	35047.3	10.59	5113.65	6.853675949	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	34959.7	107.71	40438.35	0.864581458	29585.9	161.28	64400.6	0.459419833	54815.5	121.58	46376.9	1.181961278
Aerial Lifts50	Aerial Lifts	50	73722.7	128.62	46479.1	1.586147322	125209.2626	490.5481246	153144.2445	0.817503392	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	133855.8983	376.4187119	117057.8466	1.143501419	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	132432.95	128.62	46479.1	2.849301084	84619.45569	217.8413333	68052.22695	1.243419403	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	13352.33518	20.60344823	6422.282717	2.079063749	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	797.9059846	0.694594593	217.6952534	3.665242855	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	566.6288734	0.231499823	72.56501879	7.808503805	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	4431.7	27.37	3405.45	1.301378992	3712.105	6.88	5602.75	0.662540717	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	689.85	2.49	277.6	2.486842105	2755.079057	6.486891802	2381.613672	1.15681288	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	1161.133949	1.588209687	687.3345129	1.689328749	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	7862.1	11.47	1230.05	6.391691395	15780.04377	17.75360409	7460.741745	2.115077686	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	2737.5	2.84	292	9.375	19997.07955	15.70511131	5122.983058	3.903404606	0	0	0	0
Bore/Drill rigs300	Bore/Drill rigs	300	0	0	0	0	28700.86885	15.84157765	5154.651981	5.568324805	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	39726.57274	12.42752286	4034.851533	9.845857379	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	34751.58998	9.462497725	2999.902688	16.53009457	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	14879.14517	0.409698556	308.2625284	48.26777113	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	14569.85	4125.58	379884.7	0.038339514	9536.5	39	28820.4	0.330747112	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	113009.45	580.73	165016.5	0.793917275	306.6	0.67	401.5	0.763636364	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	15771.65	9.33	5701.5	2.766352244	4805.5	6.04	3498.5	1.373958244	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	15388.4	5.35	3266.75	4.710614525	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	52.62900093	0.257273772	127.1306598	0.413975834	0	0	0	0
Cranes50	Cranes	50	2308.8	2.84	1171.65	1.968847352	852.0852718	2.744253564	1236.54273	0.689086759	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	466.2438113	1.286368854	455.8715478	1.022753847	0	0	0	0
Cranes100	Cranes	100	7821.95	5.87	2361.55	3.312210201	20133.50474	32.75952602	15110.54788	1.33423624	0	0	0	0
Cranes175	Cranes	175	507.35	0.16	87.6	5.791666667	5802.2	9.6	2670.1	2.173408239	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	99501.10113	62.51752265	30484.27488	3.264014698	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	179590.0322	64.66147459	32960.89736	5.448574197	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	3510.929574	0.857579239	372.3978936	9.427883853	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	9793.558612	1.372126782	701.5429576	13.96002898	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	2763.946713	7.611248221	2679.44387	1.031537656	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	1898.758493	3.653399146	1126.076782	1.684995648	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	120147.4374	127.1078453	61696.80961	1.947384932	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	133094.4724	85.91909241	40188.9672	3.311715969	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	139081.6873	65.91340959	30584.17916	4.547505154	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	487048.3378	117.0809078	57071.14988	8.534053898	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	6115.872176	0.989462369	450.3410214	13.5805.8536	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	28343.00988	2.283374666	1304.114408	21.73352955	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	1952.75	6.89	1992.9	0.97985348	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	6062.65	3.32	792.05	7.65437784	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	13939.35	274.38	41030.45	0.339980415	4.13	0.13	2737.5	0.346666667	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	649.7	2.04	270.1	2.405405405	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	6681.429572	6.522529358	8950.001882	0.746744241	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	10505.6112	186.1628898	140489.527	0.780582556	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	1568.780163	1.982881648	1084.112057	1.447054584	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	141673.4813	132.3193777	88554.87906	1.599838158	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	3026318.51	171.6717939	104813.4959	2.88746931	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	185013.1218	147.0534788	89160.42042	4.124598102	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	678159.4261	154.3597098	102114.135	6.643190525	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	16179.54602	2.211675684	1134.312502	12.12575315	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	19070.34864	1.143970182	800.9293186	23.81028704	0	0	0	0
Forklifts25	Forklifts	25	1518.4	2.46	2222.85	0.683087028	43.86950541	0.26506116	75.89523895	0.578026422	1456.35	1.39	1481.9	0.982758622
Forklifts50	Forklifts	50	1219963.8	430.12	773325.85	1.577	1.595665246	87581.90374	237.7662764	174696.0555	0.500937312	1931393.85	803.15	1446719.13	1.335009984
Forklifts75	Forklifts	75	0	0	0	0	3811.959918	13.15720006	5056.875266	0.753228747	0	0	0	0
Forklifts100	Forklifts	100	5725605.35	1521.62	2718866.75	2.105879352	120.1284411	1931.04873	1305790.452	0.964862752	1208703.8	2818.44	5077573.4	2.380471508
Forklifts175	Forklifts	175	4007440.8	55.82	99356.65	4.0333568	372860.776	351.7488313	238331.0372	1.564469588	907174.65	103.15	185810.55	4.882255873
Forklifts300	Forklifts	300	0	0	0	0	74004.78002	44.9680881	12928.0543	2.247669862	0	0	0	0
Forklifts600	Forklifts	600	0	0	0	0	19051.31572	7.008381933	4024.838943	3.860926579	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	255.4714079	0.088347063	19.67656678	12.98353574	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	1397.411307	0.187939779	152.8140215	9.144522179	0	0	0	0
Generator Sets25	Generator Sets	25	24757864.05	30770.29	3535441.1	0.700275858	214985	1047.62	353677.7	0.607855683	0	0	0	0
Generator Sets50	Generator Sets	50	4065777.15	1597.27	183456.3	2.216207072	2546614	540.44	182452.55	1.39588259	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	1835837.7	308.5	35441.5	51.80020597	0	0	0	0	16501.65	22.05	2628	6.279166667
Generator Sets175	Generator Sets	175	3055775	29.14	3347.05	8.980707796	0	0	0	0	23845.45	19.05	2287.8	10.85151594
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	0	0	0	0	0	0	0	0
Graders50	Graders	50	0	0	0	0	609.5463062	1.992603405	741.186252	0.822392893	0	0	0	0
Graders75	Graders	75	0	0	0	0	352.1016383	0.766385235	256.123335	1.375734701	0	0	0	0
Graders100	Graders	100	0	0	0	0	16318.06465	20.53914228	8720.927308	1.871138708	0	0	0	0
Graders175	Graders	175	0	0	0	0	184735.6133	122.6983868	58663.89359	3.149051329	0	0	0	0
Graders300	Graders	300	0	0	0	0	380203.7493	107.2179909	83613.52182	4.547156262	0	0	0	0
Graders600	Graders	600	0	0	0	0	25824.49417	4.291701183	3752.980153	6.880257198	0	0	0	0
Graders750	Graders	750	0	0	0	0	0	0	0	0	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	13224.76718	0.459813555	345.6220039	38.26367258	0	0	0	0
Pavers25	Pavers	25	13946.65	26.8	1064.2	1.125551836	1803.1	2.58	2117	0.851724138	0	0	0	0
Pavers50	Pavers	50	7391.25	8.1	3164.55	2.335640138	3028.701077	8.931048047	3269.057857	0.926475267	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	4434.294444	7.516865544	2893.77469	1.532594494	0	0	0	0
Pavers100	Pavers	100	6617.45	4.43	1741.05	3.800883576	24729.36451	35.57536139	14261.63025	1.733978801	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	40012.5392	29.62130934	11782.25426	3.396200108	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	31234.3303	14.14082669	6556.006836	4.764203435	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	5749.702447	1.637358009	742.5849463	7.742821175	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	1171.498744	0.148825801	72.61844048	16.13224873	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment25	Paving Equipment	25	2534815.59	2931.13	554885.7	0.456834099	2140.541899	4.564305717	3740.512478	0.572258992	0	0	0	0
Paving Equipment50	Paving Equipment	50	8814	22.13	3854.4	2.234848485	3761.536732	10.92299977	5327.033105	0.706123272	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	539.2988388	1.263197112	429.3183866	1.256174558	0	0	0	0
Paving Equipment100	Paving Equipment	100	3558.75	5.71	996.45	3.571428571	15593.71721	19.76531959	9532.041749	1.635926239	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	17135.24561	13.67225114	6464.731235	2.650573549	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	11062.11174	5.698627741	2621.880636	4.21522e315	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	12739.93162	3.566676212	1757.377162	7.249400924	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	2270.229319	0.371539554	194.1258183	11.69462855	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	3106.750215	0.148611425	71.45091003	15.488656	0	0	0	0
Rollers25	Rollers	25	5865.7	317.36	79013.45	0.074240587	19331.17512	147.8165557	102849.4928	0.188134602	0	0	0	0
Rollers50	Rollers	50	9719.95	5.87	3546.15	2.742533472	62102.78452	225.7628596	80635.73844	0.772280647	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	620.7612096	1.913693353	651.0801555	1.376139964	0	0	0	0
Rollers100	Rollers	100	30141.7	10.69	6653.95	4.529895776	99550.18828	166.5087215	56988.97926	1.694344845	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	100463.3444	97.37889368	36032.19648	2.788139402	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	17162.24778	12.70825185	4655.562777	4.231779589	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	9212.25851	4.287121105	1339.224312	6.878801671	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	0	0	0	0	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	43.80950541	0.26504119	75.89523895	0.578026422	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	1558.55	1.33	463.95	3.362204724	3122.047094	9.983218152	2817.288745	1.108174316	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	105.2872746	0.353382253	81.41306635	1.293247393	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	34054.5	16.16	6679.5	5.098360656	249667.4602	428.3949098	124528.3052	2.004905259	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	1908.95	0.6	229.95	8.301587302	52044.52622	69.08740349	19784.83998	2.63054573	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	4128.299744	3.622229595	936.7711523	4.406945452	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	1357.971616	0.818429443	163.242628	8.31873164	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	255.4714079	0.088347063	19.67656678	12.98353574	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	2742.156697	2.986257448	2925.942512	0.937187459	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	3335.971899	2.664915258	2238.101421	1.490516294	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	8813.177157	5.754082254	5070.231833	1.739401918	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	11820.10966	5.025852779	3970.321198	2.977116725	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	13927.10994	4.297297304	3042.327925	4.57777938	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	137407.1078	24.18140178	18174.46352	7.560476244	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	5141.171926	0.364177738	377.6517201	13.61352631	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Scrapers25	Scrapers	25	0	0	0	0	22.08621115	0.075062145	31.84335852	0.693589241	0	0	0	0
Scrapers50	Scrapers	50	0	0	0	0	175.7839012	0.450172868	166.3815004	1.056542216	0	0	0	0
Scrapers75	Scrapers	75	0	0	0	0	1430.276999	1.726429333	833.5883736	1.693834622	0	0	0	0
Scrapers100	Scrapers	100	0	0	0	0	7528.244998	5.779785152	3332.319058	2.259160896	0	0	0	0
Scrapers175	Scrapers	175	0	0	0	0	95452.20213	48.79039414	22698.17715	4.205651685	0	0	0	0
Scrapers300	Scrapers	300	0	0	0	0	109752.4565	47.28935129	19658.85145	5.582851916	0	0	0	0
Scrapers600	Scrapers	600	0	0	0	0	136739.3749	26.51787798	12387.6255	10.53083494	0	0	0	0
Scrapers750	Scrapers	750	0	0	0	0	30403.93835	3.903231533	1989.060934	15.28581604	0	0	0	0
Scrapers9999	Scrapers	9999	0	0	0	0	31834.38997	1.951015768	799.0914023	39.83883818	0	0	0	0
Skid Steer Loaders25	Skid Steer Loaders	25	193417.15	554.19	176933.75	1.093161422	173320.25	330.81	276159	0.627631062	0	0	0	0
Skid Steer Loaders50	Skid Steer Loaders	50	45068.1	77.63	24093.65	1.907892744	47018.16465	156.3159365	50767.83612	0.9263141	0	0	0	0
Skid Steer Loaders75	Skid Steer Loaders	75	0	0	0	0	24764.5685	50.42099548	18553.52778	1.335016458	0	0	0	0
Skid Steer Loaders100	Skid Steer Loaders	100	61480.6	46.45	14413.85	4.265383641	88.44867748	0.232497674	54.7953885	1.614162796	0	0	0	0
Skid Steer Loaders175	Skid Steer Loaders	175	0	0	0	0	1689.399197	2.0924797	581.0229338	2.897655344	0	0	0	0
Skid Steer Loaders300	Skid Steer Loaders	300	0	0	0	0	1570.131487	1.317486822	401.0109182	3.915433261	0	0	0	0
Skid Steer Loaders600	Skid Steer Loaders	600	0	0	0	0	453.2002614	0.154998645	50.22910012	9.022661338	0	0	0	0
Skid Steer Loaders750	Skid Steer Loaders	750	0	0	0	0	0	0	0	0	0	0	0	0
Skid Steer Loaders9999	Skid Steer Loaders	9999	0	0	0	0	613.4689867	0.154998645	32.27953557	19.0294023	0	0	0	0
Surfacing Equipment25	Surfacing Equipment	25	1237687.85	791.6	338683.5	0.36543808	0	0	0	0	0	0	0	0
Surfacing Equipment50	Surfacing Equipment	50	0	0	0	0	434.8680151	2.742006873	689.8194305	0.630408675	0	0	0	0
Surfacing Equipment75	Surfacing Equipment	75	0	0	0	0	295.2628554	1.054617293	263.7985508	1.005551605	0	0	0	0
Surfacing Equipment100	Surfacing Equipment	100	0	0	0	0	2821.153722	6.819858274	1984.121514	1.421853396	0	0	0	0
Surfacing Equipment175	Surfacing Equipment	175	0	0	0	0	2115.449862	3.866929498	961.4770788	2.195641118	0	0	0	0
Surfacing Equipment300	Surfacing Equipment	300	0	0	0	0	4235.739393	4.85123939	1207.225429	3.508656509	0	0	0	0
Surfacing Equipment600	Surfacing Equipment	600	0	0	0	0	15341.67087	8.296322436	2439.96904	6.287649898	0	0	0	0
Surfacing Equipment750	Surfacing Equipment	750	0	0	0	0	7014.029913	2.249850156	608.0217034	10.04842815	0	0

Orange (SC)	2026 Agricultural - Combine Harvesters	Aggregate	300 Diesel	8.06683E-05	9.76086E-05	0.000116162	0.000395963	0.000948725	0.026379892	3.58914E-05	3.30201E-05	2.43109E-07	2.16752E-07	6.11178596	1125.512615	3.007899914	269055.5533
Orange (SC)	2026 Agricultural - Combine Harvesters	Aggregate	600 Diesel	1.41796-05	1.71568E-05	2.04178E-05	0.000120178	0.000132551	0.007957831	5.69491E-06	5.23931E-06	7.36421E-08	6.53863E-08	1.84611E+00	339.7364272	2.81317886	83.51520277
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	50 Diesel	0.000114346	0.000162559	0.000193459	0.00056294	0.000469142	0.007924965	3.74543E-05	3.44578E-05	6.97313E-08	6.51164E-08	1836.125539	1776.288317	4.588371541	78732.15391
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	75 Diesel	9.44314E-05	0.000114262	0.000135983	0.000584689	0.000820998	0.012889566	5.47354E-05	5.03566E-05	1.17137E-07	1.05909E-07	2986.367606	2020.825079	5.516679986	127337.9923
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	100 Diesel	0.000179076	0.000216682	0.000257869	0.001385952	0.001377818	0.031095203	0.000116265	0.000106964	2.84047E-07	2.55497E-07	7204.409557	3660.138972	7.599089001	308516.217
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	175 Diesel	0.000352455	0.000426471	0.000507536	0.002979449	0.002992129	0.066976302	0.000179539	0.000165175	6.12839E-07	5.50318E-07	15517.65763	6053.467049	10.14978166	740826.4856
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	300 Diesel	0.000395232	0.000236225	0.000281128	0.003822254	0.003942725	0.044889575	8.31743E-05	7.65202E-05	4.11953E-07	3.68864E-07	10400.41084	2512.214802	4.524802384	494043.2707
Orange (SC)	2026 Agricultural - Construction Equipment	Aggregate	600 Diesel	2.23423E-05	2.70342E-05	3.21738E-05	9.22313E-05	0.000198073	0.004434047	8.58495E-06	7.89816E-06	3.97527E-08	3.56851E-08	1006.212586	137.0823619	0.115423024	48392.60506
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	100 Diesel	1.82464E-05	2.30752E-05	2.62713E-05	3.30303E-05	1.77778E-05	0.000821841	1.31401E-06	1.20889E-06	7.59457E-09	6.75275E-09	190.4414444	81.80302825	0.182423907	7362.272543
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	175 Diesel	5.70201E-06	6.89944E-06	8.2109E-06	0.000101592	5.37005E-05	0.002583296	3.13459E-06	2.88382E-06	2.387E-08	2.12259E-08	598.5205907	207.7425538	0.456917447	25438.11372
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	300 Diesel	6.81006E-06	8.24266E-06	9.80621E-06	4.47832E-05	6.84045E-05	0.003145213	2.29132E-06	2.10815E-06	3.08146E-08	2.73962E-08	772.1307755	134.3630308	0.292269927	33181.8035
Orange (SC)	2026 Agricultural - Cotton Pickers	Aggregate	600 Diesel	1.17283E-05	1.41913E-05	1.68888E-05	7.65589E-05	0.000114646	0.005819865	4.83466E-06	4.44776E-06	5.38166E-08	4.78196E-08	1348.397498	178.583034	0.389374109	57847.8601
Orange (SC)	2026 Agricultural - Forage & Silage Harvesters	Aggregate	100 Diesel	5.24468E-07	6.34609E-07	7.55234E-07	4.36662E-06	4.57216E-06	0.000101753	3.72744E-07	3.42924E-07	9.31314E-10	8.36048E-10	23.57649	15.39389152	0.031109972	911.5314816
Orange (SC)	2026 Agricultural - Forage & Silage Harvesters	Aggregate	175 Diesel	6.04979E-07	7.19817E-07	2.21373E-06	6.88447E-06	5.26644E-06	0.000144354	2.25868E-07	2.07792E-07	1.92958E-09	1.73212E-09	48.99511497	23.63496468	0.064373107	1437.626205
Orange (SC)	2026 Agricultural - Forage & Silage Harvesters	Aggregate	600 Diesel	4.52039E-06	5.46967E-06	6.50936E-06	2.77611E-05	4.90631E-05	0.003183278	1.96679E-06	1.80945E-06	1.80915E-08	1.50535E-08	424.4719243	43.26585199	0.107497542	18495.42829
Orange (SC)	2026 Agricultural - Forage & Silage Harvesters	Aggregate	700 Diesel	7.66E-06	9.26E-06	1.01475E-05	5.52573E-05	9.69606E-05	0.005599202	3.89E-06	3.58041E-06	3.42237E-08	2.85041E-08	803.2704889	82.62707973	0.211149224	35004.40424
Orange (SC)	2026 Agricultural - Forage & Silage Harvesters	Aggregate	9999 Diesel	4.39977E-06	5.32172E-06	6.31567E-06	3.63128E-05	0.000101168	0.002091287	1.94553E-06	1.78989E-06	2.61249E-08	2.19438E-08	554.0343463	27.6917978	0.060272649	21814.94611
Orange (SC)	2026 Agricultural - Forklifts	Aggregate	50 Diesel	1.13882E-05	1.37797E-05	1.63986E-05	5.29869E-05	7.78664E-05	0.008615757	3.11794E-06	2.91468E-06	1.72508E-09	1.57024E-09	0.000000000	0.000000000	0.000000000	0.000000000
Orange (SC)	2026 Agricultural - Forklifts	Aggregate	75 Diesel	9.74598E-07	1.17926E-06	1.40342E-06	6.16838E-06	8.23241E-06	0.00013156	5.23599E-07	4.81711E-07	1.39526E-09	1.28035E-09	0.000000000	0.000000000	0.000000000	0.000000000
Orange (SC)	2026 Agricultural - Forklifts	Aggregate	100 Diesel	1.66494E-07	4.43458E-07	5.27751E-07	2.45154E-06	2.57794E-06	5.22868E-05	2.20569E-07	2.03261E-07	4.75665E-10	4.29628E-10	12.14428941	4.705835E-10	0.000000000	0.000000000
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	75 Diesel	5.51783E-07	6.67956E-07	7.94566E-07	4.99166E-06	4.09931E-06	0.000145264	2.58407E-07	2.38029E-07	1.15035E-09	1.03907E-09	0.000000000	0.000000000	0.000000000	0.000000000
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	100 Diesel	1.17786E-06	1.42521E-06	1.69612E-06	6.21027E-06	8.21594E-06	0.000124772	7.51096E-07	6.91008E-07	1.12598E-09	1.02522E-09	28.90816128	15.237277	0.026003827	1180.888968
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	175 Diesel	1.58577E-06	1.91962E-06	2.28351E-06	9.59618E-06	1.49912E-05	0.000260014	1.01860E-06	9.37182E-07	1.98126E-09	1.79001E-09	49.73682407	16.66247947	0.028739091	2042.49188
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	300 Diesel	3.41972E-06	4.1591E-06	4.94968E-06	2.00031959	0.000341391	0.005949366	1.44982E-06	1.33384E-06	4.96888E-09	4.47753E-09	126.2556983	241.3459189	0.409478356	57241.70043
Orange (SC)	2026 Agricultural - Hay Squeeze/Stack retriever	Aggregate	600 Diesel	8.18523E-06	9.9041E-06	1.17617E-05	5.11127E-05	7.95528E-05	0.001388164	5.53968E-06	5.09753E-06	1.34606E-08	1.21294E-08	342.2225158	321.4668444	0.977490613	143230.33677
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	50 Diesel	2.52993E-06	3.06122E-05	3.6431E-05	0.000320736	0.000344793	0.007885225	8.39763E-06	7.72582E-06	7.26328E-08	6.47898E-08	1826.918131	1767.10967	4.565901553	70874.38974
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	75 Diesel	1.62837E-05	1.97003E-05	2.34485E-05	0.000294005	0.000279361	0.007581866	6.74318E-06	6.20381E-06	7.09565E-08	6.23112E-08	1757.049949	1647.838281	2.666445397	68484.28141
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	100 Diesel	2.09422E-05	3.57943E-05	4.25982E-05	0.000390163	0.000359903	0.025615426	1.55850E-05	1.43291E-05	2.87528E-07	2.52227E-07	5934.807601	4.98028795	20.81575	2806.339524
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	175 Diesel	1.97868E-05	4.814E-05	5.72929E-05	0.000928052	0.000341413	0.02409183	1.91027E-05	1.75745E-05	2.23041E-07	1.97953E-07	5581.806596	1894.013145	3.854894845	234172.2105
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	300 Diesel	2.31882E-05	7.49135E-05	8.91535E-05	0.001736116	0.000425205	0.051206074	2.75041E-05	2.53270E-05	1.20014E-06	1.06493E-06	300.3857326	66.14042051	0.157909175	12964.5425
Orange (SC)	2026 Agricultural - Nut Harvester	Aggregate	600 Diesel	1.58256E-05	1.9149E-05	2.27889E-05	0.000157333	0.000140306	0.012131187	5.88238E-06	5.41179E-06	1.14133E-07	1.00173E-07	285.8227178	377.3158308	0.881590631	122627.645
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	50 Diesel	1.13127E-05	1.37129E-05	1.63164E-05	8.3684E-05	7.121E-05	0.0013469	3.18264E-06	2.97679E-06	1.21884E-08	1.1E-08	311.8647945	313.7016426	0.729418275	101438.2409
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	75 Diesel	1.99404E-05	2.41278E-05	2.87141E-05	0.000208713	0.000134995	0.004960169	8.22303E-06	7.56519E-06	4.30556E-08	3.8537E-08	1086.659467	630.7664361	0.451175546	42378.06527
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	100 Diesel	5.34238E-05	6.46428E-05	7.69302E-05	0.000594473	0.000350479	0.011237089	1.20582E-05	2.94936E-05	2.21610E-07	1.08763E-07	3066.866149	1385.409707	1.150378169	118641.1588
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	175 Diesel	1.45713E-06	4.89720E-05	5.82755E-05	0.000947849	0.000350479	0.024379925	2.07326E-05	1.91722E-05	7.95464E-08	2.96E-08	2030.34614	864.0545068	0.998107071	88074.86256
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	300 Diesel	3.56689E-05	4.31835E-05	5.1392E-05	0.000514804	0.000338438	0.009414474	1.42172E-05	1.30798E-05	8.65267E-08	7.73304E-08	2180.532915	435.0851129	0.662335279	93043.75228
Orange (SC)	2026 Agricultural - Other Harvesters	Aggregate	600 Diesel	1.31844E-05	1.59615E-05	1.89861E-05	0.000190241	0.000124599	0.003476225	5.25511E-06	4.83515E-06	3.09172E-08	2.76011E-08	778.2452479	87.56552575	0.138999172	33852.71417
Orange (SC)	2026 Agricultural - Others	Aggregate	50 Diesel	9.57526E-06	1.15861E-05	1.37884E-05	4.66481E-05	4.32772E-05	0.000755922	2.73447E-06	2.51571E-06	6.74085E-09	6.21118E-09	175.1403573	166.9366189	0.318053469	7512.147848
Orange (SC)	2026 Agricultural - Others	Aggregate	75 Diesel	1.81236E-05	2.19439E-05	2.61728E-05	8.8356E-05	1.37606E-05	0.000131686	1.03459E-06	9.52812E-07	2.84605E-09	2.56101E-09	72.22423333	47.6528889	0.080537702	3097.434259
Orange (SC)	2026 Agricultural - Others	Aggregate	100 Diesel	7.17434E-06	8.68096E-06	1.03111E-05	5.66777E-05	5.55517E-05	0.001281901	4.61452E-06	4.24536E-06	1.17161E-08	1.05329E-08	297.0020261	546.3103546	0.293537565	12739.05776
Orange (SC)	2026 Agricultural - Others	Aggregate	175 Diesel	2.07559E-05	2.51147E-05	2.98866E-05	0.000187078	0.000190329	0.004024275	1.10516E-05	1.01675E-05	4.02534E-08	3.61734E-08	1028.000466	481.4779998	0.772446361	48607.78616
Orange (SC)	2026 Agricultural - Others	Aggregate	300 Diesel	3.34535E-05	2.8581E-05	3.39315E-05	0.000244004	0.000156039	0.002405314	1.85006E-05	1.70509E-05	1.42227E-07	1.27271E-07	3619.066199	1155.644832	2.735276883	171961.3827
Orange (SC)	2026 Agricultural - Others	Aggregate	600 Diesel	0.000110932	0.000134228	0.000159744	0.00067348	0.000144114	0.029731397	4.87647E-05	4.48635E-05	2.68204E-07	2.39706E-07	6759.148635	852.6507559	1.742482391	322302.7149
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	50 Diesel	2.31885E-05	2.80515E-05	3.33915E-05	0.000273534	0.000184645	0.005357056	1.90370068	1.75204167	2.68622E-07	2.40014E-07	6768.226	1441.598	4.422139	401.0220465
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	75 Diesel	6.67098E-06	8.07188E-06	9.60821E-06	4.73632E-05	6.11124E-05	0.001058933	3.77842E-06	3.47615E-06	9.65588E-09	8.70083E-09	245.342687	166.0451016	0.299349713	10033.93469
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	100 Diesel	1.46092E-05	1.76772E-05	2.10453E-05	0.000103874	0.000131256	0.002428703	9.28677E-06	8.54388E-06	2.31669E-08	2.08955E-08	589.1703762	263.7033103	0.482799067	16153.51748
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	175 Diesel	2.47145E-05	2.99045E-05	3.55889E-05	0.000214023	0.000227949	0.005058577	1.31032E-05	1.20549E-05	4.58508E-08	4.11313E-08	1159.805436	430.8249154	0.771851942	51681.30614
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	300 Diesel	1.68E-05	1.30801E-05	1.55664E-05	8.46117E-05	0.000117855	0.002545814	4.85445E-06	4.46609E-06	2.31318E-08	2.08834E-08	588.8623462	122.0499965	0.220597523	26035.35019
Orange (SC)	2026 Agricultural - Sprayers/Spray rigs	Aggregate	600 Diesel	2.29637E-05	3.16902E-05	3.74677E-05	0.000178966	0.000178855	0.00397861	1.41783E-05	1.30451E-05	6.86405E-08	6.19955E-08	1749.077	641.3434627	1.150866111	135844.9923
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	50 Diesel	3.28045E-06	3.96934E-06	4.72385E-06	3.06454E-05	3.14161E-05	0.00065039	1.09116E-06	1.00387E-06	5.95509E-09	5.344E-09	150.687972	123.6563373	0.287588552	5487.456632
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	100 Diesel	2.13122E-06	2.57912E-06	3.06975E-06	1.99107E-05	2.04122E-05	0.000422659	7.09192E-07	6.52221E-07	3.86844E-09	3.47115E-09	97.94625993	53.08054473	0.186824922	3565.902412
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	100 Diesel	2.04607E-05	2.47575E-05	2.94634E-05	0.000357121	0.000196007	0.004851219	1.35894E-05	1.25023E-05	8.18659E-08	7.28134E-08	2055.160552	871.0912213	1.890407306	74692.67038
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	175 Diesel	1.04214E-05	1.26126E-05	1.50062E-05	0.000194967	0.000156398	0.002466316	5.31491E-06	4.88709E-06	4.68800E-08	4.09611E-08	1155.644832	375.2716883	0.794522037	43571.38276
Orange (SC)	2026 Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	300 Diesel	4.17259E-06	5.04883E-06	6.00852E-06	2.93471E-05	3.8699E-05	0.002140381	1.63952E-06	1.48995E-06	1.97964E-08	1.75867E-08	495.9022814	95.44236403	0.200301991	19636.13352
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	50 Diesel	0	0	0	0	0	0	0	0	1.28802E-07	1.13924E-07	452.854342	25.92119072	0.115539843	16330.35015
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	75 Diesel	0	0	0	0	0	0	0	0	9.21445E-08	8.19491E-08	325.7523663	245.2423042	0.760350807	10579.53579
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	100 Diesel	1.50418E-05	1.82000E-05	2.16602E-05	0.000181195	0.000145792	0.02203402	2.67870E-06	2.46404E-06	2.07851E-08	1.84315E-08	73.26615057	45.60267284	0.152070161	2646.631858
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	175 Diesel	4.57576E-05	5.53867E-05	6.58809E-05	0.000551242	0.000562142	0.154804616	1.07539E-05	9.88621E-06	6.32478E-08	5.82102E-08	2.864E-05	1497.938755	4.359344627	13420.41487
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	300 Diesel	8.70391E-05	1.05328E-04	1.25311E-04	0.001053245	0.001074276	0.276105771	5.55172E-05	5.10758E-05	2.55028E-05	2.25354E-05	8957.947663	2401.646001	7.19798764	123962.2603
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	600 Diesel	1.82727E-05	4.6747E-05	5.56125E-05	0.000269698	0.000585244	0.153794797	1.71011E-05	1.57334E-05	1.42408E-06	1.25494E-06	498.618631	804.4152277	1.382432529	21240.55501
Orange (SC)	2026 AirGroup - A/C Tug Narrow Body	Aggregate	750 Diesel	9.4242E-07	1.14033E-06	1.3570BE-06	1.83475E-05	5.06068E-06	0.010226279	1.74308E-07	1.60363E-07	9.45187E-08	8.34655E-08	331.7803537	17.13521761	0.050690056	11980.65233
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	2.01399E-08	1.78004E-08	70.75769343	47.30617306	0.115539843	2294.349391
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	50 Diesel	7.9413E-07	9.6114E-07	1.1438E-06	1.5154E-05	1.1254E-05	0.002180924	5.03569E-08	4.63283E-08	2.01399E-08	1.78004E-08	70.75769343	47.30617306	0.115539843	2294.349391
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	75 Diesel	1.5485E-06	1.8736E-06	2.2293E-06	1.7822E-05	1.8492E-05	0.002568494	1.26333E-06	1.16227E-06	2.37005E-08	2.09637E-08	83.33195201	47.30617306	0.115539843	3003.941989
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	100 Diesel	2.13122E-06	2.57912E-06	3.06975E-06	9.42044E-06	5.57357E-05	0.010345584	5.00507E-06	4.60431E-06	1.38645E-07	1.13732E-07	452.0922416	90.42159173	0.462159173	16296.97662
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	175 Diesel	7.1830TE-06	8.6915E-06	1.0346E-05	0.000210751	8.23122E-05	0.037111701	1.01659E-05	9.34926E-06	1.38569E-07	1.27536E-07	506.1405119	188.6598	0.728134	18246.6222
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	300 Diesel	5.41361E-06	6.5747E-06	7.8245E-06	0.000156342	0.000365744	0.034917281	1.53081E-06	1.40861E-06	2.38645E-07	2.19546E-07	871.0912213	1.890407306	0.744926708	43403.41378
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	600 Diesel	4.26222E-05	5.15734E-05	6.13766E-05	0.000457082	0.000496878	0.172270526	1.99943E-05	1.83948E-05	1.59145E-06	1.40605E-06	5589.127486	546.2890943	1.38647812	201480.5552
Orange (SC)	2026 AirGroup - A/C Tug Wide Body	Aggregate	750 Diesel	8.2397E-06	9.9594E-06	1.1852E-05	2.9150TE-05	0.000182794	0.013958046	4.86242E-06	4.47434E-06	1.28802E-07	1.13924E-07	452.854342	25.92119072	0.115539843	16330.35015
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	9.21445E-08	8.19491E-08	325.7523663	245.2423042	0.760350807	10579.53579
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	50 Diesel	1.50418E-05	1.82000E-05	2.16602E-05	0.000181195	0.000145792	0.02203402	2.67870E-06	2.46404E-06	2.07851E-08	1.84315E-08	73.26615057	45.60267284	0.152070161	2646.631858
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	75 Diesel	4.57576E-05	5.53867E-05	6.58809E-05	0.000551242	0.000562142	0.154804616	1.07539E-05	9.88621E-06	6.32478E-08	5.82102E-08	2.864E-05	1497.938755	4.359344627	13420.41487
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	100 Diesel	6.70891E-05	8.11778E-05	9.66083E-05	0.001116976	0.000811779	0.157407316	2.66023E-05	2.39222E-05	4.15532E-06	3.82435E-06	1456.9265	2401.646001	7.19798764	123962.2603
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	175 Diesel	9.85222E-07	1.19218E-06	1.41842E-06	1.44116E-05	8.18752E-06	0.001818594	6.99054E-07	6.28966E-07	1.16943E-08	1.07163E-08	59.06228736	25.44740256	0.060611284	2160.074679
Orange (SC)	2026 AirGroup - Baggage Tug	Aggregate	300 Diesel	3.34037E-06	4.04184E-06	4.81013E-06	1.7645E-05	5.16059E-05	0.00829453	1.61887E-06	1.48936E-06	7.65868E-08	6.89E-08	269.1068772	78.36272245	0.104421637	14105.29904
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	25 Diesel	0	0	0	0	0	0	0	0	1.259E-07	1.11587E-07	443.565416	512.1615712	0.979591389	22999.25556
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	50 Diesel	1.67342E-05	2.02484E-05	2.40973E-05	0.000122093	9.55793E-05	0.013671767	6.12614E-06	5.63605E-06	1.259E-07	1.11587E-07	443.565416	512.1615712	0.979591389	22999.25556
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	75 Diesel	6.10925E-06	7.39219E-06	8.79731E-06	0.000624293	0.000643095	0.089097886	4.47667E-06	4.11856E-06	8.21723E-07	7.27014E-07	2890.03463	2608.823004	4.969418639	166500.5258
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	100 Diesel	2.49806E-05	3.0225E-05	3.59722E-05	0.000182284	0.000319778	0.04825275	1.74715E-05	1.60744E-05	5.57070E-07	2.21438561	1466.144066	2.86579706	1276646.012	
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	175 Diesel	5.09963E-06	6.17055E-06	7.34346E-06	4.82491E-05	5.02884E-05	0.006919585	3.44215E-06	3.16678E-06	6.38222E-08	5.64767E-08	224.4983094	102.8700592	0.213410616	12941.51855
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	300 Diesel	1.28862E-06	1.55903E-06	1.85569E-06	8.93912E-06	1.27719E-05	0.004510081	6.08156E-07	5.59506E-07	1.56807E-08	1.38762E-08	146.324627	12.01008862	0.027960944	3.64E+00876
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	600 Diesel	4.1098E-07	4.97292E-07	5.91819E-07	7.09889E-06	1.94898E-06	0.001893901	6.83493E-08	6.28813E-08	3.59887E-08	3.17815E-08	126.1034066	16.0050491	0.038487231	7282.297341
Orange (SC)	2026 AirGroup - Belt Loader	Aggregate	750 Diesel	3.97588E-07	4.81081E-06	5.72526E-06	6.13466E-05	5.30765E-05	0.002283654	2.70041E-06	2.48437E-06	2.09942E-08	1.86388E-08	74.09664181	8.839764573	0.033487231	4274.852858
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	25 Diesel	2.1633E-07	2.61872E-07	3.1684E-06	2.49964E-06	2.53656E-07	0.000484462	1.65831E-07	1.52581E-07	2.09942E-08	1.86388E-08	74.09664181	8.839764573	0.033487231	4274.852858
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	50 Diesel	2.52516E-06	3.05545E-06	3.6362E-06	2.17665E-05	1.77161E-05	0.003056713	7.20371E-07	6.62741E-07	2.81851E-08	2.49485E-08	99.1717016	103.0388662	0.251071313	4676.165986
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	75 Diesel	1.05422E-05	1.28773E-05	1.5324E-05	2.19957E-05	1.51248E-05	0.002582961	3.34232E-07	3.07519E-07	1.03858E-08	9.19E-09	36.52121	15.58369793	0.038303485	637.1051518
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	100 Diesel	1.47064E-07	1.77925E-07	2.1174E-07	8.14516E-06	3.52496E-06	0.000194507	2.34872E-08	2.16082E-08	1.28885E-08	1.13818E-08	45.24124589	29.64231264	0.062767828	2371.386611
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	175 Diesel	1.85222E-07	2.24102E-07	2.6674E-07	7.84958E-06	8.41424E-06	0.577931E-05	4.68787E-07	4.31583E-07	4.51515E-08	3.98199E-08	157.8070112	162.2935315	0.376609287	13609.05507
Orange (SC)	2026 AirGroup - Bobtail	Aggregate	300 Diesel	9.95376E-06	1.2044E-05	1.4334E-05	0.000106381	0.000108042	0.051902473	3.88417E-06	3.57344E-06	4.79565E-07	4.23621E-07	1683.918587	429.0745252	0.941517425	88263.38989
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	25 Diesel	4.33131E-07	5.24089E-07	6.2370BE-07	9.76168E-06	8.06107E-06	0.001624247	1.18604E-07	2.93116E-08	1.49879E-08	1.32424E-08	52.63947934	10.34536283	0.024139108	1505.633792
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	50 Diesel	1.46065E-06	4.12187E-06	4.9057E-06	1.50917E-05	2.91651E-05	0.003564001	8.98496E-07	8.31455E-07	4.54923E-08	4.03E-08	159.9975473	221.229641	0.559503931	8008.46782
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	100 Diesel	6.17807E-07	7.47547E-07	8.8964E-07	0.000127699	0.000883228	0.019385103	3.35396E-07	3.08564E-07	1.79034E-06	1.58214E-06	628.0508889	4225.834545	8.942921069	362990.9113
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	175 Diesel	1.07826E-06	1.2942E-06	1.5435E-06	0.000154369	0.000644319	0.033168827	5.83229E-07	5.36496E-07	2.58053E-06	2.28015E-06	1027.74291	4577.694834	1.290027122	592285.9453
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	300 Diesel	5.46469E-06	6.61771E-06	7.8749E-06	5.78204E-05	4.52431E-05	0.02845321	1.61566E-06	1.48635E-06	2.72146E-07	2.40393E-07	955.5779949	258.5659801	0.558932567	55166.57715
Orange (SC)	2026 AirGroup - Cargo Loader	Aggregate	600 Diesel	1.63846E-06	4.15816E-06	4.9505E-06	1.55606E-05	1.40679E-05	0.027078884	5.05272E-07	4.64852E

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Existing Conditions

EXISTING CONDITIONS

Vehicle type	Fleet percent	VMT	
	Regional Shopping Center	Regional Shopping Center	Total
LDA	53.66%	57,434,433	57,434,433
LDT1	5.58%	5,977,212	5,977,212
LDT2	19.18%	20,530,271	20,530,271
MDV	13.62%	14,575,643	14,575,643
LHD1	2.47%	2,644,551	2,644,551
LHD2	0.61%	653,003	653,003
MHD	1.47%	1,573,587	1,573,587
HHD	0.47%	503,800	503,800
OBUS	0.07%	73,424	73,424
UBUS	0.04%	43,241	43,241
MCY	2.32%	2,482,504	2,482,504
SBUS	0.08%	82,736	82,736
MH	0.43%	457,777	457,777
	100.00%	107,032,184	107,032,184

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	30,813.52	39,181.99	24524.26	107,032,184	107,032,184
Total	30,813.52	39,181.99	24,524.26	107,032,184	107,032,184

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Other Asphalt Surfaces	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Parking Lot	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277
Regional Shopping Center	0.536609	0.055845	0.191814	0.136180	0.024708	0.006101	0.014702	0.004707	0.000686	0.000404	0.023194	0.000773	0.004277

PROPOSED CONDITIONS

Vehicle type	Gas percent	Diesel percent	CNG percent	Electricity percent	
LDA	97.73%	0.85%	0.00%	1.42%	
LDT1	99.73%	0.02%	0.00%	0.25%	
LDT2	99.01%	0.58%	0.00%	0.41%	
MDV	97.89%	2.00%	0.00%	0.10%	
LHD1	62.23%	37.77%	0.00%	0.00%	
LHD2	41.85%	58.15%	0.00%	0.00%	
MHD	20.10%	79.90%	0.00%	0.00%	<< Equal to T6 (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
HHD	0.08%	97.37%	2.55%	0.00%	<< Equal to T7 (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
OBUS	50.74%	49.26%	0.00%	0.00%	<< Motor coach, all other buses, and OBUS (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
UBUS	18.82%	0.00%	81.18%	0.00%	
MCY	100.00%	0.00%	0.00%	0.00%	
SBUS	31.85%	68.15%	0.00%	0.00%	
MH	70.07%	29.93%	0.00%	0.00%	

PROPOSED CONDITIONS

Vehicle type	Gasoline			Diesel			CNG			Electricity		
	VMT	mpg	Gallons	VMT	mpg	Gallons	VMT	mpg	Gallons	VMT	m/kWh	kWh
LDA	56,133,378	29.37	1,911,329	487,664	46.25	10,544	0	0.00	0	813,391	2.98	272,613
LDT1	5,960,883	25.39	234,813	1,409	24.01	59	0	0.00	0	14,921	2.98	5,001
LDT2	20,326,604	22.88	888,308	119,109	33.42	3,564	0	0.00	0	84,559	2.98	28,340
MDV	14,268,752	18.71	762,826	292,044	25.35	11,519	0	0.00	0	14,847	2.98	4,976
LHD1	1,645,794	10.41	158,047	998,757	20.75	48,144	0	0.00	0	0	2.98	0
LHD2	273,276	9.05	30,190	379,727	18.72	20,283	0	0.00	0	0	2.98	0
MHD	316,292	5.01	63,172	1,257,296	10.14	124,005	0	0.00	0	0	2.98	0
HHD	405	3.95	102	490,527	6.36	77,147	12,869	2.17	5,919	0	2.98	0
OBUS	37,252	4.97	7,501	36,172	8.45	4,283	0	0.00	0	0	2.98	0
UBUS	8,137	3.67	2,215	0	0.00	0	35,104	3.97	8,841	0	2.98	0
MCY	2,482,504	37.22	66,693	0	0.00	0	0	0.00	0	0	2.98	0
SBUS	26,348	8.97	2,938	56,388	7.28	7,747	0	0.00	0	0	2.98	0
MH	320,786	5.03	63,740	136,990	10.24	13,380	0	0.00	0	0	2.98	0
	101,800,411		**4,191,875**	**4,256,082**		**320,675**	**47,973**		**14,760**	**927,718**		**310,930**

Proposed Project

PROPOSED PROJECT CONDITIONS

Vehicle type	Fleet percent		VMT		
	Apartments Mid Rise	Regional Shopping Center	Apartments Mid Rise	Regional Shopping Center	Total
LDA	55.02%	55.02%	4,112,446	54,622,054	58,734,500
LDT1	6.18%	6.18%	461,990	6,136,212	6,598,202
LDT2	18.33%	18.33%	1,369,973	18,196,165	19,566,138
MDV	12.32%	12.32%	920,631	12,227,944	13,148,575
LHD1	2.41%	2.41%	180,172	2,393,067	2,573,239
LHD2	0.69%	0.69%	51,369	682,287	733,655
MHD	1.52%	1.52%	113,427	1,506,551	1,619,978
HHD	0.49%	0.49%	36,740	487,986	524,726
OBUS	0.07%	0.07%	5,046	67,017	72,063
UBUS	0.04%	0.04%	2,743	36,438	39,181
MCY	2.52%	2.52%	188,372	2,501,983	2,690,355
SBUS	0.07%	0.07%	5,173	68,705	73,878
MH	0.36%	0.36%	27,000	358,618	385,618
	100.00%	100.00%	7,475,081	99,285,025	106,760,106

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,043.50	1,842.50	1534.30	7,475,081	7,475,081
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	28,531.02	36,900.61	22455.31	99,285,025	99,285,025
Total	30,574.52	38,743.11	23,989.61	106,760,106	106,760,106

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025206	0.000692	0.003612
Enclosed Parking with Elevator	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025206	0.000692	0.003612
Other Asphalt Surfaces	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025206	0.000692	0.003612
Parking Lot	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025206	0.000692	0.003612
Regional Shopping Center	0.550154	0.061804	0.183272	0.123160	0.024103	0.006872	0.015174	0.004915	0.000675	0.000367	0.025206	0.000692	0.003612

PROPOSED CONDITIONS

Vehicle type	Gas percent	Diesel percent	CNG percent	Electricity percent	
LDA	94.35%	1.10%	0.00%	4.56%	
LDT1	97.58%	0.01%	0.00%	2.41%	
LDT2	97.08%	0.90%	0.00%	2.02%	
MDV	94.87%	3.02%	0.00%	2.11%	
LHD1	51.50%	48.50%	0.00%	0.00%	
LHD2	32.41%	67.59%	0.00%	0.00%	
MHD	13.27%	86.73%	0.00%	0.00%	<< Equal to T6 (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
HHD	0.12%	96.28%	3.60%	0.00%	<< Equal to T7 (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
OBUS	44.27%	55.73%	0.00%	0.00%	<< Motor coach, all other buses, and OBUS (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
UBUS	18.82%	0.00%	81.18%	0.00%	
MCY	100.00%	0.00%	0.00%	0.00%	
SBUS	42.72%	57.28%	0.00%	0.00%	
MH	68.50%	31.50%	0.00%	0.00%	

PROPOSED CONDITIONS

Vehicle type	Gasoline			Diesel			CNG			Electricity		
	VMT	mpg	Gallons	VMT	mpg	Gallons	VMT	mpg	Gallons	VMT	m/kWh	kWh
LDA	55,413,584	37.24	1,487,879	645,014	57.79	11,161	0	0.00	0	2,675,901	3.19	838,505
LDT1	6,438,313	31.50	204,384	839	30.13	28	0	0.00	0	159,050	3.19	49,839
LDT2	18,993,973	30.54	621,984	176,108	42.29	4,164	0	0.00	0	396,057	3.19	124,106
MDV	12,473,577	24.59	507,200	397,211	32.18	12,342	0	0.00	0	277,786	3.19	87,045
LHD1	1,325,236	11.53	114,925	1,248,003	23.73	52,588	0	0.00	0	0	3.19	0
LHD2	237,753	9.98	23,830	495,902	21.39	23,186	0	0.00	0	0	3.19	0
MHD	214,902	5.45	39,451	1,405,076	12.34	113,835	0	0.00	0	0	3.19	0
HHD	616	4.95	124	505,197	7.97	63,354	18,913	2.48	7,625	0	3.19	0
OBUS	31,900	5.68	5,612	40,163	10.20	3,938	0	0.00	0	0	3.19	0
UBUS	7,373	4.51	1,633	0	0.00	0	31,808	3.86	8,233	0	3.19	0
MCY	2,690,355	37.00	72,721	0	0.00	0	0	0.00	0	0	3.19	0
SBUS	31,562	9.69	3,258	42,316	8.14	5,195	0	0.00	0	0	3.19	0
MH	264,158	5.73	46,130	121,460	11.28	10,769	0	0.00	0	0	3.19	0
	98,123,302		**3,129,131**	**5,077,290**		**300,559**	**50,721**		**15,858**	**3,508,794**		**1,099,495**

EMFAC Fuel Usage: Year 2019

Vehicle type	GAS			DSL			NG			ELEC
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day
All other buses	0	0	0.00	27,276	2,774	9.83	0	0	0.00	0
LDA	48,498,866	1,651,376	29.37	421,339	9,110	46.25	0	0	0.00	702,765
LDT1	4,932,435	194,300	25.39	1,166	49	24.01	0	0	0.00	12,346
LDT2	17,104,474	747,495	22.88	100,228	2,999	33.42	0	0	0.00	71,155
LHD1	1,425,183	136,862	10.41	864,878	41,690	20.75	0	0	0.00	0
LHD2	235,471	26,014	9.05	327,196	17,477	18.72	0	0	0.00	0
MCY	400,120	10,749	37.22	0	0	0.00	0	0	0.00	0
MDV	11,560,840	618,057	18.71	236,620	9,333	25.35	0	0	0.00	12,029
MH	67,065	13,326	5.03	28,640	2,797	10.24	0	0	0.00	0
Motor coach	0	0	0.00	17,102	2,743	6.23	0	0	0.00	0
OBUS	45,703	9,203	4.97	0	0	0.00	0	0	0.00	0
PTO	0	0	0.00	29,972	6,217	4.82	0	0	0.00	0
SBUS	19,688	2,195	8.97	42,134	5,788	7.28	0	0	0.00	0
T6	433,787	86,639	5.01	1,724,353	170,070	10.14	0	0	0.00	0
T7	938	237	3.95	1,136,588	178,755	6.36	29,818	13,714	2.17	0
UBUS	19,705	5,363	3.67	0	0	0.00	85,008	21,410	3.97	0
Total	**84,744,274**	**3,501,817**	**24.20**	**4,957,492**	**449,805**	**11.02**	**114,825**	**35,124**	**3.27**	**798,295**

1,215,130,545

1.06%

81875000 12876788.56

Source: EMFAC2017 (v1.0.3) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2019
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
Orange (SC)	2019	All Other Buses	Aggregate	Aggregate	DSL	473.8766192	27275.64043	3980.563602	2.774180967
Orange (SC)	2019	LDA	Aggregate	Aggregate	GAS	1223281.615	48498865.51	5791179.285	1651.375965
Orange (SC)	2019	LDA	Aggregate	Aggregate	DSL	10330.87174	421338.5715	48965.77678	9.110313311
Orange (SC)	2019	LDA	Aggregate	Aggregate	ELEC	18325.57796	702764.686	91948.95772	0
Orange (SC)	2019	LDT1	Aggregate	Aggregate	GAS	129886.4448	4932435.319	599388.3394	194.3004571
Orange (SC)	2019	LDT1	Aggregate	Aggregate	DSL	59.74119808	1165.606511	198.8723468	0.048539197
Orange (SC)	2019	LDT1	Aggregate	Aggregate	ELEC	343.8294903	12346.46979	1684.493931	0
Orange (SC)	2019	LDT2	Aggregate	Aggregate	GAS	443301.5271	17104474.16	2079075.932	747.4953953
Orange (SC)	2019	LDT2	Aggregate	Aggregate	DSL	2169.432959	100227.6974	10783.35103	2.999198297
Orange (SC)	2019	LDT2	Aggregate	Aggregate	ELEC	2041.175939	71154.82913	10399.00945	0
Orange (SC)	2019	LHD1	Aggregate	Aggregate	GAS	37244.75433	1425183.134	554891.3449	136.8616829
Orange (SC)	2019	LHD1	Aggregate	Aggregate	DSL	20401.21161	864878.3854	256621.5773	41.69031
Orange (SC)	2019	LHD2	Aggregate	Aggregate	GAS	6421.009976	235470.9989	95663.48133	26.01371823
Orange (SC)	2019	LHD2	Aggregate	Aggregate	DSL	7812.976815	327195.984	98277.41961	17.47716723
Orange (SC)	2019	MCY	Aggregate	Aggregate	GAS	54112.22632	400119.9345	108224.4526	10.74933419
Orange (SC)	2019	MDV	Aggregate	Aggregate	GAS	311870.5264	11560839.57	1447301.245	618.0571412
Orange (SC)	2019	MDV	Aggregate	Aggregate	DSL	5510.282581	236620.1064	27169.63392	9.333332699
Orange (SC)	2019	MDV	Aggregate	Aggregate	ELEC	335.41455	12029.07966	1723.678316	0
Orange (SC)	2019	MH	Aggregate	Aggregate	GAS	7139.194891	67065.36875	714.2050569	13.32586198
Orange (SC)	2019	MH	Aggregate	Aggregate	DSL	2838.244378	28639.91604	283.8244378	2.797282801
Orange (SC)	2019	Motor Coach	Aggregate	Aggregate	DSL	135.5287466	17102.13618	1978.7197	2.743021488
Orange (SC)	2019	OBUS	Aggregate	Aggregate	GAS	990.6247767	45703.06906	19820.42053	9.203081706
Orange (SC)	2019	PTO	Aggregate	Aggregate	DSL	0	29972.26356	0	6.217387485
Orange (SC)	2019	SBUS	Aggregate	Aggregate	GAS	454.1043249	19687.82964	1816.417299	2.195213978
Orange (SC)	2019	SBUS	Aggregate	Aggregate	DSL	1349.431457	42134.30605	15572.25193	5.788414878
Orange (SC)	2019	T6 Ag	Aggregate	Aggregate	DSL	1.07	8.275469859	4.708	0.001066262
Orange (SC)	2019	T6 CAIRP heavy	Aggregate	Aggregate	DSL	85.7688013	17259.33501	1252.224499	1.572673108
Orange (SC)	2019	T6 CAIRP small	Aggregate	Aggregate	DSL	44.17478173	2349.875989	644.9518133	0.227450914
Orange (SC)	2019	T6 instate construction heavy	Aggregate	Aggregate	DSL	388.13945	26101.33753	1754.763363	2.689282099
Orange (SC)	2019	T6 instate construction small	Aggregate	Aggregate	DSL	2744.499128	138380.9801	12407.77385	14.07473021
Orange (SC)	2019	T6 instate heavy	Aggregate	Aggregate	DSL	4029.928391	574512.8595	46504.81491	54.42041623
Orange (SC)	2019	T6 instate small	Aggregate	Aggregate	DSL	18115.98395	935173.6954	209055.9431	93.6611298
Orange (SC)	2019	T6 OOS heavy	Aggregate	Aggregate	DSL	48.93668328	9853.004706	714.4755758	0.898000701
Orange (SC)	2019	T6 OOS small	Aggregate	Aggregate	DSL	25.92769658	1374.001156	378.5443701	0.132906987
Orange (SC)	2019	T6 Public	Aggregate	Aggregate	DSL	915.2461278	13786.63207	2776.246585	1.789438291
Orange (SC)	2019	T6 utility	Aggregate	Aggregate	DSL	332.3137444	5553.425858	3821.60806	0.602777524
Orange (SC)	2019	T6TS	Aggregate	Aggregate	GAS	7568.270254	433786.8965	151425.9512	86.63865792
Orange (SC)	2019	T7 Ag	Aggregate	Aggregate	DSL	1	8.178158898	4.4	0.001578958
Orange (SC)	2019	T7 CAIRP	Aggregate	Aggregate	DSL	885.7685421	166354.0172	12932.22072	24.88923348
Orange (SC)	2019	T7 CAIRP construction	Aggregate	Aggregate	DSL	98.81812236	18748.81748	446.7528892	2.666049391
Orange (SC)	2019	T7 NNOOS	Aggregate	Aggregate	DSL	993.9736251	202806.2774	14512.01493	29.42879667
Orange (SC)	2019	T7 NOOS	Aggregate	Aggregate	DSL	348.9259044	65358.06419	5094.318205	10.00815818
Orange (SC)	2019	T7 POLA	Aggregate	Aggregate	DSL	1245.584811	149012.5289	9466.444563	24.8943669
Orange (SC)	2019	T7 Public	Aggregate	Aggregate	DSL	1029.372466	20852.67503	3122.429812	3.746245888
Orange (SC)	2019	T7 Single	Aggregate	Aggregate	DSL	2097.919273	150946.3103	24209.69754	23.23856822
Orange (SC)	2019	T7 single construction	Aggregate	Aggregate	DSL	668.883335	46512.3677	3023.995552	7.256056779
Orange (SC)	2019	T7 SWCV	Aggregate	Aggregate	DSL	394.6571901	16125.05335	1539.163041	7.895964153
Orange (SC)	2019	T7 SWCV	Aggregate	Aggregate	NG	732.8439311	29817.6193	2858.091331	13.7136357
Orange (SC)	2019	T7 tractor	Aggregate	Aggregate	DSL	1858.616125	260175.4422	23604.42478	38.49758044
Orange (SC)	2019	T7 tractor construction	Aggregate	Aggregate	DSL	547.4092473	38368.60836	2474.815924	6.015025294
Orange (SC)	2019	T7 utility	Aggregate	Aggregate	DSL	65.03232427	1319.881931	747.8717291	0.21787144
Orange (SC)	2019	T7IS	Aggregate	Aggregate	GAS	13.82239905	937.8742547	276.5585601	0.237240048
Orange (SC)	2019	UBUS	Aggregate	Aggregate	GAS	208.5732817	19704.69745	834.2931268	5.363383616
Orange (SC)	2019	UBUS	Aggregate	Aggregate	DSL	0	0	0	0
Orange (SC)	2019	UBUS	Aggregate	Aggregate	NG	733.9588564	85007.66425	2935.835425	21.40989389

EMFAC Fuel Usage: Year 2022

Vehicle type	GAS			DSL			NG			ELEC
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day
All other buses	0	0	0.00	29,582	2,828	10.46	0	0	0.00	0
LDA	49,671,090	1,564,655	31.75	501,185	10,062	49.81	0	0	0.00	1,148,304
LDT1	5,238,639	192,103	27.27	1,011	40	25.09	0	0	0.00	43,266
LDT2	16,909,367	671,285	25.19	124,888	3,448	36.22	0	0	0.00	143,730
LHD1	1,319,671	123,791	10.66	978,243	45,262	21.61	0	0	0.00	0
LHD2	225,103	24,307	9.26	374,620	19,215	19.50	0	0	0.00	0
MCY	421,009	11,330	37.16	0	0	0.00	0	0	0.00	0
MDV	11,130,322	546,444	20.37	281,488	10,244	27.48	0	0	0.00	73,855
MH	65,026	12,480	5.21	28,530	2,724	10.48	0	0	0.00	0
Motor coach	0	0	0.00	18,084	2,713	6.67	0	0	0.00	0
OBUS	44,125	8,576	5.15	0	0	0.00	0	0	0.00	0
PTO	0	0	0.00	33,066	6,502	5.09	0	0	0.00	0
SBUS	22,060	2,406	9.17	40,079	5,359	7.48	0	0	0.00	0
T6	390,927	76,686	5.10	1,862,214	171,184	10.88	0	0	0.00	0
T7	1,077	245	4.40	1,217,802	178,979	6.80	37,693	16,703	2.26	0
UBUS	20,054	5,428	3.69	0	0	0.00	86,514	22,403	3.86	0
Total	**85,458,470**	**3,239,737**	**26.38**	**5,490,793**	**458,560**	**11.97**	**124,207**	**39,106**	**3.18**	**1,409,155**

Source: EMFAC2017 (v1.0.3) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
Orange (SC)	2022	All Other Buses	Aggregate	Aggregate	DSL	493.8195683	29581.57559	4148.084373	2.827695838
Orange (SC)	2022	LDA	Aggregate	Aggregate	GAS	1295599.689	49671089.81	6144925.715	1564.655171
Orange (SC)	2022	LDA	Aggregate	Aggregate	DSL	12739.0078	501185.1456	60554.66609	10.06178735
Orange (SC)	2022	LDA	Aggregate	Aggregate	ELEC	28393.86772	1148303.54	141298.9123	0
Orange (SC)	2022	LDT1	Aggregate	Aggregate	GAS	142048.7173	5238638.572	658516.7666	192.1032237
Orange (SC)	2022	LDT1	Aggregate	Aggregate	DSL	49.5183793	1010.879054	166.4183188	0.040286436
Orange (SC)	2022	LDT1	Aggregate	Aggregate	ELEC	1032.066464	43266.26956	5186.810022	0
Orange (SC)	2022	LDT2	Aggregate	Aggregate	GAS	455350.0099	16909367.12	2134201.258	671.2853684
Orange (SC)	2022	LDT2	Aggregate	Aggregate	DSL	2933.773502	124887.9477	14421.82259	3.447911648
Orange (SC)	2022	LDT2	Aggregate	Aggregate	ELEC	4402.869216	143730.0815	22245.82792	0
Orange (SC)	2022	LHD1	Aggregate	Aggregate	GAS	36147.86941	1319671.421	538549.3939	123.791382
Orange (SC)	2022	LHD1	Aggregate	Aggregate	DSL	24040.18403	978243.4579	302395.2725	45.2616289
Orange (SC)	2022	LHD2	Aggregate	Aggregate	GAS	6433.829843	225103.3004	95854.47825	24.30747932
Orange (SC)	2022	LHD2	Aggregate	Aggregate	DSL	9390.080241	374620.1723	118115.3967	19.21500982
Orange (SC)	2022	MCY	Aggregate	Aggregate	GAS	59324.20714	421008.6598	118648.4143	11.33048778
Orange (SC)	2022	MDV	Aggregate	Aggregate	GAS	313214.6089	11130322.04	1450299.414	546.4436615
Orange (SC)	2022	MDV	Aggregate	Aggregate	DSL	7004.701757	281488.2471	34186.63889	10.24432923
Orange (SC)	2022	MDV	Aggregate	Aggregate	ELEC	2172.991185	73854.79623	11123.90302	0
Orange (SC)	2022	MH	Aggregate	Aggregate	GAS	6865.363572	65025.63092	686.8109718	12.47967279
Orange (SC)	2022	MH	Aggregate	Aggregate	DSL	3020.855236	28529.60126	302.0855236	2.723510025
Orange (SC)	2022	Motor Coach	Aggregate	Aggregate	DSL	134.1934225	18084.3755	1959.223969	2.713209821
Orange (SC)	2022	OBUS	Aggregate	Aggregate	GAS	1010.920693	44124.77606	20226.50123	8.575575308
Orange (SC)	2022	PTO	Aggregate	Aggregate	DSL	0	33065.707	0	6.502244055
Orange (SC)	2022	SBUS	Aggregate	Aggregate	GAS	529.8434458	22060.40853	2119.373783	2.405828386
Orange (SC)	2022	SBUS	Aggregate	Aggregate	DSL	1279.904224	40079.35319	14769.9173	5.359382114
Orange (SC)	2022	T6 Ag	Aggregate	Aggregate	DSL	1.07	8.275469859	4.708	0.001066984
Orange (SC)	2022	T6 CAIRP heavy	Aggregate	Aggregate	DSL	93.14712045	18463.66517	1359.947959	1.55641611
Orange (SC)	2022	T6 CAIRP small	Aggregate	Aggregate	DSL	47.63828781	2471.582331	695.519002	0.22363382
Orange (SC)	2022	T6 instate construction heavy	Aggregate	Aggregate	DSL	414.9759872	27770.38279	1876.090304	2.658869569
Orange (SC)	2022	T6 instate construction small	Aggregate	Aggregate	DSL	2767.702049	147229.7267	12512.67336	14.00880881
Orange (SC)	2022	T6 instate heavy	Aggregate	Aggregate	DSL	4469.13874	640921.7605	51573.24143	55.72376156
Orange (SC)	2022	T6 instate small	Aggregate	Aggregate	DSL	19324.09961	994433.5215	222997.4303	93.78037364
Orange (SC)	2022	T6 OOS heavy	Aggregate	Aggregate	DSL	52.90106772	10502.53281	772.3555887	0.885170959
Orange (SC)	2022	T6 OOS small	Aggregate	Aggregate	DSL	28.42468514	1468.707571	415.0004031	0.13283096
Orange (SC)	2022	T6 Public	Aggregate	Aggregate	DSL	865.670485	13245.19275	2625.867135	1.639906284
Orange (SC)	2022	T6 utility	Aggregate	Aggregate	DSL	337.9574371	5698.994115	3886.510527	0.572791934
Orange (SC)	2022	T6TS	Aggregate	Aggregate	GAS	7524.246571	390927.133	150545.1254	76.68639152
Orange (SC)	2022	T7 Ag	Aggregate	Aggregate	DSL	1	7.73408398	4.4	0.001503812
Orange (SC)	2022	T7 CAIRP	Aggregate	Aggregate	DSL	988.9314933	175813.36	14438.3998	24.94943046
Orange (SC)	2022	T7 CAIRP construction	Aggregate	Aggregate	DSL	110.6218848	19947.70719	500.1172404	2.659483787
Orange (SC)	2022	T7 NNOOS	Aggregate	Aggregate	DSL	1070.601355	214339.315	15630.77979	28.81919701
Orange (SC)	2022	T7 NOOS	Aggregate	Aggregate	DSL	390.5525345	69075.5237	5702.067003	10.0570406
Orange (SC)	2022	T7 POLA	Aggregate	Aggregate	DSL	1350.087025	175065.1518	10260.66139	28.10619045
Orange (SC)	2022	T7 Public	Aggregate	Aggregate	DSL	1038.122073	21034.31119	3148.970286	3.622769795
Orange (SC)	2022	T7 Single	Aggregate	Aggregate	DSL	2351.100258	166525.5098	27131.37101	23.97321606
Orange (SC)	2022	T7 single construction	Aggregate	Aggregate	DSL	708.4033598	49486.59256	3202.664047	7.16258616
Orange (SC)	2022	T7 SWCV	Aggregate	Aggregate	DSL	310.0164561	12666.77009	1209.064179	6.200492228
Orange (SC)	2022	T7 SWCV	Aggregate	Aggregate	NG	925.5580333	37692.78896	3609.67633	16.70265719
Orange (SC)	2022	T7 tractor	Aggregate	Aggregate	DSL	2008.403478	271663.5515	25506.72418	37.18012021
Orange (SC)	2022	T7 tractor construction	Aggregate	Aggregate	DSL	591.7742545	40822.08202	2675.388396	6.037322198
Orange (SC)	2022	T7 utility	Aggregate	Aggregate	DSL	66.70871193	1354.438898	767.1501872	0.209700883
Orange (SC)	2022	T7IS	Aggregate	Aggregate	GAS	9.612146044	1076.873786	192.3198181	0.244872884
Orange (SC)	2022	UBUS	Aggregate	Aggregate	GAS	212.2694682	20053.89001	849.0778729	5.427673939
Orange (SC)	2022	UBUS	Aggregate	Aggregate	DSL	0	0	0	0
Orange (SC)	2022	UBUS	Aggregate	Aggregate	NG	746.9655502	86514.10928	2987.862201	22.40345048

EMFAC Fuel Usage: Year 2023

Vehicle type	GAS			DSL			NG			ELEC
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day
All other buses	0	0	0.00	30,341	2,805	10.82	0	0	0.00	0
LDA	49,965,794	1,530,774	32.64	521,945	10,210	51.12	0	0	0.00	1,363,746
LDT1	5,324,604	190,388	27.97	970	38	25.61	0	0	0.00	58,817
LDT2	16,860,834	647,146	26.05	131,714	3,538	37.23	0	0	0.00	177,682
LHD1	1,293,611	120,026	10.78	1,009,903	46,031	21.94	0	0	0.00	0
LHD2	222,130	23,737	9.36	388,074	19,613	19.79	0	0	0.00	0
MCY	426,338	11,479	37.14	0	0	0.00	0	0	0.00	0
MDV	11,014,473	523,982	21.02	293,855	10,400	28.25	0	0	0.00	101,133
MH	64,511	12,223	5.28	28,555	2,700	10.58	0	0	0.00	0
Motor coach	0	0	0.00	18,402	2,675	6.88	0	0	0.00	0
OBUS	43,737	8,382	5.22	0	0	0.00	0	0	0.00	0
PTO	0	0	0.00	34,063	6,468	5.27	0	0	0.00	0
SBUS	22,929	2,482	9.24	39,300	5,196	7.56	0	0	0.00	0
T6	377,899	73,547	5.14	1,903,588	167,519	11.36	0	0	0.00	0
T7	1,170	260	4.50	1,244,042	172,031	7.23	40,133	17,538	2.29	0
UBUS	20,172	4,824	4.18	0	0	0.00	87,025	22,536	3.86	0
Total	**85,638,202**	**3,149,249**	**27.19**	**5,644,753**	**449,226**	**12.57**	**127,157**	**40,074**	**3.17**	**1,701,376**

1,092,789,551

1.04%

81875000 11322001.58

Source: EMFAC2017 (v1.0.3) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
Orange (SC)	2023	All Other Buses	Aggregate	Aggregate	DSL	497.4884829	30341.42021	4178.903257	2.805137976
Orange (SC)	2023	LDA	Aggregate	Aggregate	GAS	1317264.299	49965793.64	6248383.008	1530.774164
Orange (SC)	2023	LDA	Aggregate	Aggregate	DSL	13431.01148	521944.8541	63854.3682	10.21006873
Orange (SC)	2023	LDA	Aggregate	Aggregate	ELEC	33012.02837	1363745.619	164035.8627	0
Orange (SC)	2023	LDT1	Aggregate	Aggregate	GAS	145926.018	5324604.48	676933.8582	190.3875858
Orange (SC)	2023	LDT1	Aggregate	Aggregate	DSL	46.29888067	970.2407912	157.1623518	0.037881245
Orange (SC)	2023	LDT1	Aggregate	Aggregate	ELEC	1366.204347	58816.77113	6870.769993	0
Orange (SC)	2023	LDT2	Aggregate	Aggregate	GAS	459128.0523	16860833.77	2151241.261	647.1457437
Orange (SC)	2023	LDT2	Aggregate	Aggregate	DSL	3171.575849	131714.3685	15530.20474	3.538230746
Orange (SC)	2023	LDT2	Aggregate	Aggregate	ELEC	5547.578192	177681.564	27961.08308	0
Orange (SC)	2023	LHD1	Aggregate	Aggregate	GAS	35833.39433	1293610.747	533864.1837	120.02561
Orange (SC)	2023	LHD1	Aggregate	Aggregate	DSL	25197.20917	1009903.321	316949.1932	46.0310456
Orange (SC)	2023	LHD2	Aggregate	Aggregate	GAS	6427.170235	222129.8261	95755.26002	23.73696478
Orange (SC)	2023	LHD2	Aggregate	Aggregate	DSL	9897.553217	388074.4324	124498.7684	19.61347913
Orange (SC)	2023	MCY	Aggregate	Aggregate	GAS	60907.74419	426337.9157	121815.4884	11.47916891
Orange (SC)	2023	MDV	Aggregate	Aggregate	GAS	313407.6541	11014472.81	1450734.231	523.9817028
Orange (SC)	2023	MDV	Aggregate	Aggregate	DSL	7459.366276	293854.6559	36276.35582	10.40034972
Orange (SC)	2023	MDV	Aggregate	Aggregate	ELEC	3044.278972	101132.5162	15528.53705	0
Orange (SC)	2023	MH	Aggregate	Aggregate	GAS	6790.047028	64511.29463	679.2763047	12.22260418
Orange (SC)	2023	MH	Aggregate	Aggregate	DSL	3077.212238	28555.305	307.7212238	2.700205907
Orange (SC)	2023	Motor Coach	Aggregate	Aggregate	DSL	130.5785169	18401.53809	1906.446347	2.675147509
Orange (SC)	2023	OBUS	Aggregate	Aggregate	GAS	1014.708676	43737.41029	20302.29118	8.382453786
Orange (SC)	2023	PTO	Aggregate	Aggregate	DSL	0	34062.86189	0	6.468358644
Orange (SC)	2023	SBUS	Aggregate	Aggregate	GAS	557.167251	22929.00008	2228.669004	2.481912376
Orange (SC)	2023	SBUS	Aggregate	Aggregate	DSL	1252.958306	39300.2503	14458.96513	5.19639825
Orange (SC)	2023	T6 Ag	Aggregate	Aggregate	DSL	0.862231182	6.668568375	3.793817203	0.000743957
Orange (SC)	2023	T6 CAIRP heavy	Aggregate	Aggregate	DSL	96.13981948	18837.71383	1403.641364	1.541338376
Orange (SC)	2023	T6 CAIRP small	Aggregate	Aggregate	DSL	48.22250844	2511.489818	704.0486232	0.219534634
Orange (SC)	2023	T6 instate construction heavy	Aggregate	Aggregate	DSL	427.2850212	28135.87435	1931.738968	2.562220756
Orange (SC)	2023	T6 instate construction small	Aggregate	Aggregate	DSL	2659.36752	149167.4465	12022.89716	13.45602022
Orange (SC)	2023	T6 instate heavy	Aggregate	Aggregate	DSL	4632.974164	662141.6492	53463.87952	55.64228225
Orange (SC)	2023	T6 instate small	Aggregate	Aggregate	DSL	19005.22892	1011749.443	219317.7068	90.92936563
Orange (SC)	2023	T6 OOS heavy	Aggregate	Aggregate	DSL	54.67448669	10706.34735	798.2475056	0.876211975
Orange (SC)	2023	T6 OOS small	Aggregate	Aggregate	DSL	28.84054333	1498.437544	421.0719326	0.130910917
Orange (SC)	2023	T6 Public	Aggregate	Aggregate	DSL	851.6779496	13084.6738	2583.423111	1.592357941
Orange (SC)	2023	T6 utility	Aggregate	Aggregate	DSL	342.9365029	5748.175315	3943.769783	0.568062046
Orange (SC)	2023	T6TS	Aggregate	Aggregate	GAS	7500.789376	377898.997	150075.7938	73.54713884
Orange (SC)	2023	T7 Ag	Aggregate	Aggregate	DSL	1.063174002	8.222677017	4.677965609	0.001524266
Orange (SC)	2023	T7 CAIRP	Aggregate	Aggregate	DSL	982.9303991	178866.8185	14350.78383	24.44800502
Orange (SC)	2023	T7 CAIRP construction	Aggregate	Aggregate	DSL	110.8329168	20210.24295	501.0713076	2.606613712
Orange (SC)	2023	T7 NNOOS	Aggregate	Aggregate	DSL	1103.523756	218062.2243	16111.44684	28.36132135
Orange (SC)	2023	T7 NOOS	Aggregate	Aggregate	DSL	389.5370519	70275.62649	5687.240958	9.854066818
Orange (SC)	2023	T7 POLA	Aggregate	Aggregate	DSL	1386.102284	184529.8958	10534.37736	25.75409743
Orange (SC)	2023	T7 Public	Aggregate	Aggregate	DSL	1043.383866	21140.08402	3164.931058	3.584559973
Orange (SC)	2023	T7 Single	Aggregate	Aggregate	DSL	2446.303618	171547.3811	28230.00459	23.63979345
Orange (SC)	2023	T7 single construction	Aggregate	Aggregate	DSL	722.5047551	50137.89549	3266.415907	6.891174012
Orange (SC)	2023	T7 SWCV	Aggregate	Aggregate	DSL	283.0552486	11565.17884	1103.915469	5.660972092
Orange (SC)	2023	T7 SWCV	Aggregate	Aggregate	NG	985.3985608	40132.57541	3843.054387	17.53838201
Orange (SC)	2023	T7 tractor	Aggregate	Aggregate	DSL	2015.109589	274972.5133	25591.89178	35.31413012
Orange (SC)	2023	T7 tractor construction	Aggregate	Aggregate	DSL	607.1515489	41359.3496	2744.908547	5.704690443
Orange (SC)	2023	T7 utility	Aggregate	Aggregate	DSL	67.31892338	1366.23584	774.1676189	0.210095409
Orange (SC)	2023	T7IS	Aggregate	Aggregate	GAS	9.811189686	1169.863795	196.3022832	0.260101575
Orange (SC)	2023	UBUS	Aggregate	Aggregate	GAS	213.5219131	20172.21316	854.0876526	4.824274807
Orange (SC)	2023	UBUS	Aggregate	Aggregate	DSL	0	0	0	0
Orange (SC)	2023	UBUS	Aggregate	Aggregate	NG	751.3728408	87024.56496	3005.491363	22.53563665

EMFAC Fuel Usage: Year 2024

Vehicle type	GAS			DSL			NG			ELEC
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day
All other buses	0	0	0.00	31,167	2,853	10.92	0	0	0.00	0
LDA	50,207,251	1,496,363	33.55	540,280	10,290	52.50	0	0	0.00	1,612,689
LDT1	5,404,034	188,500	28.67	945	36	26.18	0	0	0.00	76,322
LDT2	16,818,806	624,435	26.93	137,673	3,595	38.29	0	0	0.00	213,825
LHD1	1,269,667	116,835	10.87	1,038,905	46,757	22.22	0	0	0.00	0
LHD2	219,450	23,273	9.43	400,280	19,958	20.06	0	0	0.00	0
MCY	431,035	11,625	37.08	0	0	0.00	0	0	0.00	0
MDV	10,907,785	502,746	21.70	304,990	10,494	29.06	0	0	0.00	129,775
MH	63,982	11,960	5.35	28,597	2,668	10.72	0	0	0.00	0
Motor coach	0	0	0.00	18,740	2,707	6.92	0	0	0.00	0
OBUS	43,428	8,209	5.29	0	0	0.00	0	0	0.00	0
PTO	0	0	0.00	35,070	6,580	5.33	0	0	0.00	0
SBUS	23,797	2,549	9.34	38,614	5,040	7.66	0	0	0.00	0
T6	364,690	70,509	5.17	1,944,223	168,688	11.53	0	0	0.00	0
T7	1,270	276	4.59	1,271,032	173,168	7.34	42,498	18,277	2.33	0
UBUS	20,291	4,851	4.18	0	0	0.00	87,535	22,657	3.86	0
Total	**85,775,486**	**3,062,132**	**28.01**	**5,790,518**	**452,836**	**12.79**	**130,033**	**40,935**	**3.18**	**2,032,611**

1,062,559,695

1.05%

81875000 11154809.42

Source: EMFAC2017 (v1.0.3) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
Orange (SC)	2024	All Other Buses	Aggregate	Aggregate	DSL	516.1339688	31167.1134	4335.525338	2.852839855
Orange (SC)	2024	LDA	Aggregate	Aggregate	GAS	1337490.995	50207250.91	6343722.318	1496.363092
Orange (SC)	2024	LDA	Aggregate	Aggregate	DSL	14052.74116	540279.7011	66848.46524	10.29037482
Orange (SC)	2024	LDA	Aggregate	Aggregate	ELEC	38213.64694	1612689.314	189628.5946	0
Orange (SC)	2024	LDT1	Aggregate	Aggregate	GAS	149731.2088	5404033.518	694761.265	188.4996059
Orange (SC)	2024	LDT1	Aggregate	Aggregate	DSL	44.08303123	944.9735888	151.0016428	0.036101695
Orange (SC)	2024	LDT1	Aggregate	Aggregate	ELEC	1734.875988	76322.38505	8717.218595	0
Orange (SC)	2024	LDT2	Aggregate	Aggregate	GAS	462837.1411	16818805.72	2167762.981	624.4348212
Orange (SC)	2024	LDT2	Aggregate	Aggregate	DSL	3391.132854	137673.4842	16547.13863	3.595286368
Orange (SC)	2024	LDT2	Aggregate	Aggregate	ELEC	6803.92639	213824.6052	34199.81692	0
Orange (SC)	2024	LHD1	Aggregate	Aggregate	GAS	35500.27712	1269667.479	528901.2337	116.8354543
Orange (SC)	2024	LHD1	Aggregate	Aggregate	DSL	26315.39616	1038905.117	331014.5789	46.75749537
Orange (SC)	2024	LHD2	Aggregate	Aggregate	GAS	6420.174666	219449.6556	95651.03647	23.27317245
Orange (SC)	2024	LHD2	Aggregate	Aggregate	DSL	10385.10939	400280.4391	130631.6116	19.95846307
Orange (SC)	2024	MCY	Aggregate	Aggregate	GAS	62471.01534	431035.3333	124942.0307	11.62453692
Orange (SC)	2024	MDV	Aggregate	Aggregate	GAS	313457.4392	10907785.12	1450691.697	502.7461045
Orange (SC)	2024	MDV	Aggregate	Aggregate	DSL	7889.854795	304989.8796	38231.32539	10.49400836
Orange (SC)	2024	MDV	Aggregate	Aggregate	ELEC	3994.854671	129775.1768	20300.83382	0
Orange (SC)	2024	MH	Aggregate	Aggregate	GAS	6712.679833	63982.30387	671.5364905	11.9599545
Orange (SC)	2024	MH	Aggregate	Aggregate	DSL	3130.727871	28597.15485	313.0727871	2.668408183
Orange (SC)	2024	Motor Coach	Aggregate	Aggregate	DSL	134.5750663	18740.4099	1964.795968	2.70691928
Orange (SC)	2024	OBUS	Aggregate	Aggregate	GAS	1021.888238	43427.56638	20445.93986	8.2094807
Orange (SC)	2024	PTO	Aggregate	Aggregate	DSL	0	35070.38273	0	6.579978979
Orange (SC)	2024	SBUS	Aggregate	Aggregate	GAS	584.491221	23797.35365	2337.964884	2.548887643
Orange (SC)	2024	SBUS	Aggregate	Aggregate	DSL	1229.046344	38613.77331	14183.02441	5.039661909
Orange (SC)	2024	T6 Ag	Aggregate	Aggregate	DSL	0.894541568	5.38222795	3.9359829	0.00061431
Orange (SC)	2024	T6 CAIRP heavy	Aggregate	Aggregate	DSL	100.4887577	19226.8223	1467.135863	1.534412597
Orange (SC)	2024	T6 CAIRP small	Aggregate	Aggregate	DSL	50.42856361	2555.061209	736.2570287	0.219656036
Orange (SC)	2024	T6 instate construction heavy	Aggregate	Aggregate	DSL	436.5984907	28468.30496	1973.844801	2.563996039
Orange (SC)	2024	T6 instate construction small	Aggregate	Aggregate	DSL	2746.66544	150929.8878	12417.56767	13.45857308
Orange (SC)	2024	T6 instate heavy	Aggregate	Aggregate	DSL	4920.928017	683146.592	56786.82706	56.43860486
Orange (SC)	2024	T6 instate small	Aggregate	Aggregate	DSL	19905.40508	1028696.111	229705.6148	91.3617365
Orange (SC)	2024	T6 OOS heavy	Aggregate	Aggregate	DSL	57.13612908	10919.85162	834.1874846	0.871762599
Orange (SC)	2024	T6 OOS small	Aggregate	Aggregate	DSL	30.22358569	1528.991618	441.264351	0.131372301
Orange (SC)	2024	T6 Public	Aggregate	Aggregate	DSL	839.8307045	12948.75237	2547.486468	1.546248807
Orange (SC)	2024	T6 utility	Aggregate	Aggregate	DSL	347.2427597	5797.573126	3993.291737	0.561111061
Orange (SC)	2024	T6TS	Aggregate	Aggregate	GAS	7456.463322	364690.4142	149188.9181	70.50895005
Orange (SC)	2024	T7 Ag	Aggregate	Aggregate	DSL	1.239149331	8.60202375	5.452257055	0.001622563
Orange (SC)	2024	T7 CAIRP	Aggregate	Aggregate	DSL	1000.664374	182133.8524	14609.69986	24.47391989
Orange (SC)	2024	T7 CAIRP construction	Aggregate	Aggregate	DSL	111.8994182	20449.03075	505.8929192	2.593999828
Orange (SC)	2024	T7 NNOOS	Aggregate	Aggregate	DSL	1145.781657	222045.6433	16728.4122	28.16083381
Orange (SC)	2024	T7 NOOS	Aggregate	Aggregate	DSL	397.6758856	71559.73866	5806.06793	9.873150495
Orange (SC)	2024	T7 POLA	Aggregate	Aggregate	DSL	1420.853619	193898.6803	10798.4875	27.09774475
Orange (SC)	2024	T7 Public	Aggregate	Aggregate	DSL	1048.781355	21249.3448	3181.30344	3.539722429
Orange (SC)	2024	T7 Single	Aggregate	Aggregate	DSL	2508.793583	176621.4574	28951.13012	24.0825349
Orange (SC)	2024	T7 single construction	Aggregate	Aggregate	DSL	725.7727454	50730.2841	3281.190364	6.888315634
Orange (SC)	2024	T7 SWCV	Aggregate	Aggregate	DSL	258.1315809	10546.83816	1006.713166	5.162530888
Orange (SC)	2024	T7 SWCV	Aggregate	Aggregate	NG	1043.368776	42497.96197	4069.138227	18.27738533
Orange (SC)	2024	T7 tractor	Aggregate	Aggregate	DSL	2127.185413	278562.5722	27015.25475	35.3688573
Orange (SC)	2024	T7 tractor construction	Aggregate	Aggregate	DSL	614.5826567	41848.01805	2778.504296	5.714463616
Orange (SC)	2024	T7 utility	Aggregate	Aggregate	DSL	67.92421333	1378.118004	781.1284533	0.210203008
Orange (SC)	2024	T7IS	Aggregate	Aggregate	GAS	10.12464296	1269.902073	202.5738563	0.276397571
Orange (SC)	2024	UBUS	Aggregate	Aggregate	GAS	214.7743581	20290.53631	859.0974323	4.851227153
Orange (SC)	2024	UBUS	Aggregate	Aggregate	DSL	0	0	0	0
Orange (SC)	2024	UBUS	Aggregate	Aggregate	NG	755.7801313	87535.02065	3023.120525	22.65714971

EMFAC Fuel Usage: Year 2025

Vehicle type	GAS			DSL			NG			ELEC
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day
All other buses	0	0	0.00	31,942	2,863	11.16	0	0	0.00	0
LDA	50,397,810	1,458,140	34.56	556,199	10,302	53.99	0	0	0.00	1,893,890
LDT1	5,474,703	185,929	29.45	914	34	26.85	0	0	0.00	95,830
LDT2	16,783,491	601,632	27.90	142,974	3,627	39.42	0	0	0.00	251,954
LHD1	1,249,765	113,451	11.02	1,065,628	47,190	22.58	0	0	0.00	0
LHD2	216,895	22,707	9.55	411,549	20,198	20.38	0	0	0.00	0
MCY	435,214	11,744	37.06	0	0	0.00	0	0	0.00	0
MDV	10,814,941	481,858	22.44	314,811	10,519	29.93	0	0	0.00	159,630
MH	63,527	11,672	5.44	28,623	2,637	10.86	0	0	0.00	0
Motor coach	0	0	0.00	19,038	2,696	7.06	0	0	0.00	0
OBUS	43,165	8,009	5.39	0	0	0.00	0	0	0.00	0
PTO	0	0	0.00	35,998	6,675	5.39	0	0	0.00	0
SBUS	24,717	2,622	9.43	38,030	4,896	7.77	0	0	0.00	0
T6	351,384	67,141	5.23	1,976,807	168,627	11.72	0	0	0.00	0
T7	1,372	292	4.69	1,293,739	172,953	7.48	44,800	18,958	2.36	0
UBUS	20,409	4,654	4.39	0	0	0.00	88,045	22,789	3.86	0
Total	**85,877,395**	**2,969,850**	**28.92**	**5,916,252**	**453,215**	**13.05**	**132,846**	**41,747**	**3.18**	**2,401,303**

Source: EMFAC2017 (v1.0.3) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
Orange (SC)	2025	All Other Buses	Aggregate	Aggregate	DSL	541.3303258	31941.861	4547.175	2.862587302
Orange (SC)	2025	LDA	Aggregate	Aggregate	GAS	1356591.668	50397810	6432075	1458.140125
Orange (SC)	2025	LDA	Aggregate	Aggregate	DSL	14618.32023	556198.82	69566.93	10.30203077
Orange (SC)	2025	LDA	Aggregate	Aggregate	ELEC	43941.61653	1893890.2	217774.1	0
Orange (SC)	2025	LDT1	Aggregate	Aggregate	GAS	153386.8857	5474702.8	711646.4	185.9289769
Orange (SC)	2025	LDT1	Aggregate	Aggregate	DSL	41.26894589	914.13929	143.5772	0.034041937
Orange (SC)	2025	LDT1	Aggregate	Aggregate	ELEC	2138.134593	95829.665	10724.19	0
Orange (SC)	2025	LDT2	Aggregate	Aggregate	GAS	466551.4378	16783491	2184107	601.6319646
Orange (SC)	2025	LDT2	Aggregate	Aggregate	DSL	3599.452575	142974.45	17496.74	3.627101339
Orange (SC)	2025	LDT2	Aggregate	Aggregate	ELEC	8168.942609	251953.69	40942.62	0
Orange (SC)	2025	LHD1	Aggregate	Aggregate	GAS	35252.08763	1249765.5	525203.6	113.4508505
Orange (SC)	2025	LHD1	Aggregate	Aggregate	DSL	27398.17496	1065628.5	344634.6	47.1897775
Orange (SC)	2025	LHD2	Aggregate	Aggregate	GAS	6407.28234	216895.02	95458.96	22.70664721
Orange (SC)	2025	LHD2	Aggregate	Aggregate	DSL	10858.86008	411549.47	136590.8	20.1979956
Orange (SC)	2025	MCY	Aggregate	Aggregate	GAS	63966.20146	435213.87	127932.4	11.74439185
Orange (SC)	2025	MDV	Aggregate	Aggregate	GAS	313655.6471	10814941	1451269	481.8576229
Orange (SC)	2025	MDV	Aggregate	Aggregate	DSL	8287.890534	314810.76	40027.3	10.51862899
Orange (SC)	2025	MDV	Aggregate	Aggregate	ELEC	5021.826358	159629.86	25422.92	0
Orange (SC)	2025	MH	Aggregate	Aggregate	GAS	6647.438299	63527.468	665.0097	11.67173417
Orange (SC)	2025	MH	Aggregate	Aggregate	DSL	3177.421283	28622.68	317.7421	2.636668404
Orange (SC)	2025	Motor Coach	Aggregate	Aggregate	DSL	143.5465257	19038.377	2095.779	2.696060982
Orange (SC)	2025	OBUS	Aggregate	Aggregate	GAS	1026.704567	43165.353	20542.3	8.00888944
Orange (SC)	2025	PTO	Aggregate	Aggregate	DSL	0	35997.772	0	6.6746876
Orange (SC)	2025	SBUS	Aggregate	Aggregate	GAS	613.1860175	24717.046	2452.744	2.622497541
Orange (SC)	2025	SBUS	Aggregate	Aggregate	DSL	1208.473938	38029.627	13945.62	4.895665661
Orange (SC)	2025	T6 Ag	Aggregate	Aggregate	DSL	0.921118861	4.4230273	4.052923	0.000516777
Orange (SC)	2025	T6 CAIRP heavy	Aggregate	Aggregate	DSL	104.1690977	19567.356	1520.869	1.517615809
Orange (SC)	2025	T6 CAIRP small	Aggregate	Aggregate	DSL	52.48326384	2593.442	766.2557	0.218410056
Orange (SC)	2025	T6 instate constr	Aggregate	Aggregate	DSL	444.3714558	28250.843	2008.986	2.516016808
Orange (SC)	2025	T6 instate constr	Aggregate	Aggregate	DSL	2795.992993	149776.97	12640.58	13.1554533
Orange (SC)	2025	T6 instate heavy	Aggregate	Aggregate	DSL	5230.706335	702216.72	60361.63	56.93836517
Orange (SC)	2025	T6 instate small	Aggregate	Aggregate	DSL	20726.61568	1043077.2	239182.3	91.23366169
Orange (SC)	2025	T6 OOS heavy	Aggregate	Aggregate	DSL	59.20440768	11106.897	864.3844	0.86176527
Orange (SC)	2025	T6 OOS small	Aggregate	Aggregate	DSL	31.53465692	1555.6775	460.406	0.130962265
Orange (SC)	2025	T6 Public	Aggregate	Aggregate	DSL	828.5244385	12810.51	2513.191	1.500479783
Orange (SC)	2025	T6 utility	Aggregate	Aggregate	DSL	351.185363	5846.7152	4038.632	0.553330301
Orange (SC)	2025	T6TS	Aggregate	Aggregate	GAS	7391.162216	351384.27	147882.4	67.14052802
Orange (SC)	2025	T7 Ag	Aggregate	Aggregate	DSL	1.404114204	8.8707221	6.178102	0.001698795
Orange (SC)	2025	T7 CAIRP	Aggregate	Aggregate	DSL	1007.562357	185004.24	14710.41	24.2584849
Orange (SC)	2025	T7 CAIRP constru	Aggregate	Aggregate	DSL	111.0806667	20292.826	502.1914	2.51708576
Orange (SC)	2025	T7 NNOOS	Aggregate	Aggregate	DSL	1184.757388	225545.35	17297.46	27.80037435
Orange (SC)	2025	T7 NOOS	Aggregate	Aggregate	DSL	401.3587266	72687.947	5859.837	9.794598053
Orange (SC)	2025	T7 POLA	Aggregate	Aggregate	DSL	1440.827984	203155.4	10950.29	28.15771668
Orange (SC)	2025	T7 Public	Aggregate	Aggregate	DSL	1054.617328	21367.73	3199.006	3.496328659
Orange (SC)	2025	T7 Single	Aggregate	Aggregate	DSL	2555.27473	181291.98	29487.52	24.41958191
Orange (SC)	2025	T7 single constru	Aggregate	Aggregate	DSL	719.4667645	50342.768	3252.681	6.746326335
Orange (SC)	2025	T7 SWCV	Aggregate	Aggregate	DSL	235.2713798	9612.8074	917.5584	4.705235534
Orange (SC)	2025	T7 SWCV	Aggregate	Aggregate	NG	1099.760542	44800.415	4289.066	18.95785887
Orange (SC)	2025	T7 tractor	Aggregate	Aggregate	DSL	2232.119212	281510.86	28347.91	35.23734034
Orange (SC)	2025	T7 tractor constr	Aggregate	Aggregate	DSL	611.9228279	41528.351	2766.479	5.60852589
Orange (SC)	2025	T7 utility	Aggregate	Aggregate	DSL	68.51957475	1389.9824	787.9751	0.209608852
Orange (SC)	2025	T7IS	Aggregate	Aggregate	GAS	10.57114545	1371.9723	211.5075	0.292400454
Orange (SC)	2025	UBUS	Aggregate	Aggregate	GAS	216.026803	20408.859	864.1072	4.653686261
Orange (SC)	2025	UBUS	Aggregate	Aggregate	DSL	0	0	0	0
Orange (SC)	2025	UBUS	Aggregate	Aggregate	NG	760.1874218	88045.476	3040.75	22.78927364

EMFAC Fuel Usage: Year 2026

Vehicle type	GAS			DSL			NG			ELEC
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day
All other buses	0	0	0.00	32,677	2,871	11.38	0	0	0.00	0
LDA	50,488,092	1,421,461	35.52	569,114	10,278	55.37	0	0	0.00	2,097,685
LDT1	5,529,612	183,267	30.17	870	31	27.66	0	0	0.00	111,339
LDT2	16,736,777	580,806	28.82	147,399	3,644	40.45	0	0	0.00	287,268
LHD1	1,232,632	110,249	11.18	1,090,931	47,507	22.96	0	0	0.00	0
LHD2	214,888	22,183	9.69	422,198	20,384	20.71	0	0	0.00	0
MCY	439,324	11,862	37.04	0	0	0.00	0	0	0.00	0
MDV	10,720,008	462,518	23.18	323,110	10,515	30.73	0	0	0.00	187,515
MH	63,108	11,408	5.53	28,664	2,608	10.99	0	0	0.00	0
Motor coach	0	0	0.00	19,335	2,688	7.19	0	0	0.00	0
OBUS	43,040	7,849	5.48	0	0	0.00	0	0	0.00	0
PTO	0	0	0.00	36,923	6,766	5.46	0	0	0.00	0
SBUS	25,685	2,702	9.51	37,569	4,768	7.88	0	0	0.00	0
T6	339,212	64,039	5.30	2,009,268	168,559	11.92	0	0	0.00	0
T7	1,471	308	4.78	1,318,370	172,706	7.63	47,078	19,604	2.40	0
UBUS	20,527	4,678	4.39	0	0	0.00	88,556	22,921	3.86	0
Total	**85,854,376**	**2,883,331**	**29.78**	**6,036,427**	**453,325**	**13.32**	**135,634**	**42,526**	**3.19**	**2,683,807**

Source: EMFAC2017 (v1.0.3) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2026
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumptior

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
Orange (SC)	2026	All Other Buses	Aggregate	Aggregate	DSL	564.6879696	32677.24029	4743.378944	2.871253793
Orange (SC)	2026	LDA	Aggregate	Aggregate	GAS	1375402.577	50488092.46	6518550.391	1421.461259
Orange (SC)	2026	LDA	Aggregate	Aggregate	DSL	15105.12937	569113.8968	71988.70113	10.2783195
Orange (SC)	2026	LDA	Aggregate	Aggregate	ELEC	49504.09753	2097685.496	244864.1218	0
Orange (SC)	2026	LDT1	Aggregate	Aggregate	GAS	156940.2243	5529611.644	727939.1393	183.2670815
Orange (SC)	2026	LDT1	Aggregate	Aggregate	DSL	37.2663369	869.9785756	133.4194152	0.031454869
Orange (SC)	2026	LDT1	Aggregate	Aggregate	ELEC	2536.201416	111338.595	12684.63716	0
Orange (SC)	2026	LDT2	Aggregate	Aggregate	GAS	470657.5824	16736777.16	2202167.944	580.8057925
Orange (SC)	2026	LDT2	Aggregate	Aggregate	DSL	3795.675231	147398.6061	18384.63352	3.643916677
Orange (SC)	2026	LDT2	Aggregate	Aggregate	ELEC	9495.505976	287268.0396	47427.90829	0
Orange (SC)	2026	LHD1	Aggregate	Aggregate	GAS	35014.63413	1232632.269	521665.8768	110.2492528
Orange (SC)	2026	LHD1	Aggregate	Aggregate	DSL	28439.60226	1090931.128	357734.4194	47.50681144
Orange (SC)	2026	LHD2	Aggregate	Aggregate	GAS	6400.775591	214888.2583	95362.01915	22.1831608
Orange (SC)	2026	LHD2	Aggregate	Aggregate	DSL	11315.15457	422197.5435	142330.41	20.38394437
Orange (SC)	2026	MCY	Aggregate	Aggregate	GAS	65409.82602	439323.6121	130819.652	11.8621431
Orange (SC)	2026	MDV	Aggregate	Aggregate	GAS	314070.8633	10720008.37	1452974.577	462.5181497
Orange (SC)	2026	MDV	Aggregate	Aggregate	DSL	8670.745819	323109.587	41730.2451	10.5148671
Orange (SC)	2026	MDV	Aggregate	Aggregate	ELEC	6029.465992	187514.7448	30395.27835	0
Orange (SC)	2026	MH	Aggregate	Aggregate	GAS	6578.011152	63108.25908	658.0642356	11.40829125
Orange (SC)	2026	MH	Aggregate	Aggregate	DSL	3219.505926	28663.90358	321.9505926	2.608400405
Orange (SC)	2026	Motor Coach	Aggregate	Aggregate	DSL	150.7610457	19334.84964	2201.111267	2.687633508
Orange (SC)	2026	OBUS	Aggregate	Aggregate	GAS	1034.022105	43039.61398	20688.71427	7.848857929
Orange (SC)	2026	PTO	Aggregate	Aggregate	DSL	0	36923.18112	0	6.766378288
Orange (SC)	2026	SBUS	Aggregate	Aggregate	GAS	642.8313907	25684.51533	2571.325563	2.701674158
Orange (SC)	2026	SBUS	Aggregate	Aggregate	DSL	1192.099266	37568.89034	13756.66025	4.767533897
Orange (SC)	2026	T6 Ag	Aggregate	Aggregate	DSL	0.944009568	3.76694933	4.153642099	0.000450368
Orange (SC)	2026	T6 CAIRP heavy	Aggregate	Aggregate	DSL	107.4321475	19899.90732	1568.509354	1.502237583
Orange (SC)	2026	T6 CAIRP small	Aggregate	Aggregate	DSL	54.37249207	2631.914257	793.8383843	0.217194902
Orange (SC)	2026	T6 instate constructio	Aggregate	Aggregate	DSL	450.937244	28169.2025	2038.669748	2.487091732
Orange (SC)	2026	T6 instate constructio	Aggregate	Aggregate	DSL	2847.752115	149344.1417	12874.57659	12.91146215
Orange (SC)	2026	T6 instate heavy	Aggregate	Aggregate	DSL	5541.351405	720805.9014	63946.42693	57.45807746
Orange (SC)	2026	T6 instate small	Aggregate	Aggregate	DSL	21483.38284	1056945.919	247915.2594	90.99378934
Orange (SC)	2026	T6 OOS heavy	Aggregate	Aggregate	DSL	61.02877482	11290.47236	891.0201124	0.852630796
Orange (SC)	2026	T6 OOS small	Aggregate	Aggregate	DSL	32.74921268	1581.879434	478.1385052	0.130523662
Orange (SC)	2026	T6 Public	Aggregate	Aggregate	DSL	819.8089728	12699.4288	2486.753882	1.459497141
Orange (SC)	2026	T6 utility	Aggregate	Aggregate	DSL	354.8159989	5895.446929	4080.383988	0.546086757
Orange (SC)	2026	T6TS	Aggregate	Aggregate	GAS	7322.231	339211.553	146503.1978	64.03925333
Orange (SC)	2026	T7 Ag	Aggregate	Aggregate	DSL	1.552818778	9.031208786	6.832402623	0.00175448
Orange (SC)	2026	T7 CAIRP	Aggregate	Aggregate	DSL	1008.046738	187862.0045	14717.48238	23.93122994
Orange (SC)	2026	T7 CAIRP construction	Aggregate	Aggregate	DSL	110.5617945	20234.18285	499.8455744	2.449384276
Orange (SC)	2026	T7 NNOOS	Aggregate	Aggregate	DSL	1221.78975	229029.7267	17838.13035	27.48884688
Orange (SC)	2026	T7 NOOS	Aggregate	Aggregate	DSL	402.1335032	73811.18245	5871.149147	9.668789305
Orange (SC)	2026	T7 POLA	Aggregate	Aggregate	DSL	1463.347071	213842.8836	11121.43774	29.27086047
Orange (SC)	2026	T7 Public	Aggregate	Aggregate	DSL	1058.123608	21434.45673	3209.641607	3.436766129
Orange (SC)	2026	T7 Single	Aggregate	Aggregate	DSL	2598.311559	185952.5205	29984.15515	24.74399446
Orange (SC)	2026	T7 single construction	Aggregate	Aggregate	DSL	716.3123688	50197.28598	3238.420369	6.638932628
Orange (SC)	2026	T7 SWCV	Aggregate	Aggregate	DSL	214.4942531	8763.88765	836.5275872	4.289060151
Orange (SC)	2026	T7 SWCV	Aggregate	Aggregate	NG	1155.748772	47078.26987	4507.420212	19.60449055
Orange (SC)	2026	T7 tractor	Aggregate	Aggregate	DSL	2325.325018	284422.9706	29531.62773	35.05224721
Orange (SC)	2026	T7 tractor constructio	Aggregate	Aggregate	DSL	609.030811	41408.34152	2753.404617	5.525044803
Orange (SC)	2026	T7 utility	Aggregate	Aggregate	DSL	69.11019209	1401.776202	794.7672091	0.208724572
Orange (SC)	2026	T7IS	Aggregate	Aggregate	GAS	10.89892787	1471.021439	218.0657488	0.307739798
Orange (SC)	2026	UBUS	Aggregate	Aggregate	GAS	217.2792479	20527.18262	869.1169917	4.678421854
Orange (SC)	2026	UBUS	Aggregate	Aggregate	DSL	0	0	0	0
Orange (SC)	2026	UBUS	Aggregate	Aggregate	NG	764.5947123	88555.93202	3058.378849	22.92139757

EMFAC Fuel Usage: Year 2027

Vehicle type	GAS			DSL			NG			ELEC
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day
All other buses	0	0	0.00	33,541	2,888	11.61	0	0	0.00	0
LDA	50,683,663	1,391,816	36.42	581,423	10,266	56.64	0	0	0.00	2,286,612
LDT1	5,592,064	181,211	30.86	775	27	29.05	0	0	0.00	125,981
LDT2	16,736,769	563,525	29.70	151,572	3,660	41.41	0	0	0.00	319,552
LHD1	1,218,927	107,316	11.36	1,114,606	47,711	23.36	0	0	0.00	0
LHD2	213,115	21,672	9.83	432,119	20,516	21.06	0	0	0.00	0
MCY	443,062	11,969	37.02	0	0	0.00	0	0	0.00	0
MDV	10,664,416	446,270	23.90	331,061	10,515	31.48	0	0	0.00	213,037
MH	62,772	11,147	5.63	28,703	2,578	11.13	0	0	0.00	0
Motor coach	0	0	0.00	19,680	2,683	7.33	0	0	0.00	0
OBUS	42,942	7,688	5.59	0	0	0.00	0	0	0.00	0
PTO	0	0	0.00	37,906	6,850	5.53	0	0	0.00	0
SBUS	26,632	2,775	9.60	37,217	4,648	8.01	0	0	0.00	0
T6	327,784	61,036	5.37	2,045,707	168,556	12.14	0	0	0.00	0
T7	1,571	323	4.87	1,345,241	172,446	7.80	49,163	20,140	2.44	0
UBUS	20,646	4,702	4.39	0	0	0.00	89,066	23,054	3.86	0
Total	**86,034,362**	**2,811,449**	**30.60**	**6,159,551**	**453,346**	**13.59**	**138,229**	**43,193**	**3.20**	**2,945,183**

975,572,757

1.08%

81875000 10495561.71

Source: EMFAC2017 (v1.0.3) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
Orange (SC)	2027	All Other Buses	Aggregate	Aggregate	DSL	589.8547161	33541.44904	4954.779615	2.888334545
Orange (SC)	2027	LDA	Aggregate	Aggregate	GAS	1393653.131	50683662.59	6601613.704	1391.816152
Orange (SC)	2027	LDA	Aggregate	Aggregate	DSL	15538.82539	581423.3023	74155.96187	10.26577278
Orange (SC)	2027	LDA	Aggregate	Aggregate	ELEC	54783.28505	2286612.488	270322.4707	0
Orange (SC)	2027	LDT1	Aggregate	Aggregate	GAS	160385.3023	5592063.759	743568.0989	181.2106408
Orange (SC)	2027	LDT1	Aggregate	Aggregate	DSL	28.72426239	774.8172466	111.7129746	0.026672387
Orange (SC)	2027	LDT1	Aggregate	Aggregate	ELEC	2924.424625	125981.4496	14575.46929	0
Orange (SC)	2027	LDT2	Aggregate	Aggregate	GAS	474864.4687	16736769.04	2220530.201	563.5249553
Orange (SC)	2027	LDT2	Aggregate	Aggregate	DSL	3974.611076	151572.4668	19190.67451	3.660257337
Orange (SC)	2027	LDT2	Aggregate	Aggregate	ELEC	10773.50113	319552.0533	53606.82099	0
Orange (SC)	2027	LHD1	Aggregate	Aggregate	GAS	34854.69174	1218927.009	519282.9734	107.3157813
Orange (SC)	2027	LHD1	Aggregate	Aggregate	DSL	29451.51687	1114605.904	370463.0323	47.71114803
Orange (SC)	2027	LHD2	Aggregate	Aggregate	GAS	6393.067489	213115.4857	95247.17991	21.67192771
Orange (SC)	2027	LHD2	Aggregate	Aggregate	DSL	11756.97718	432119.4052	147887.9827	20.5161578
Orange (SC)	2027	MCY	Aggregate	Aggregate	GAS	66761.18609	443061.9613	133522.3722	11.96916687
Orange (SC)	2027	MDV	Aggregate	Aggregate	GAS	314772.8568	10664415.71	1456049.146	446.2703861
Orange (SC)	2027	MDV	Aggregate	Aggregate	DSL	9017.343507	331060.6697	43274.87691	10.51517153
Orange (SC)	2027	MDV	Aggregate	Aggregate	ELEC	7001.589246	213036.6759	35138.91224	0
Orange (SC)	2027	MH	Aggregate	Aggregate	GAS	6521.439256	62771.99946	652.4047831	11.14670271
Orange (SC)	2027	MH	Aggregate	Aggregate	DSL	3257.8894	28702.55815	325.78894	2.577757819
Orange (SC)	2027	Motor Coach	Aggregate	Aggregate	DSL	158.4092228	19679.77103	2312.774654	2.683404891
Orange (SC)	2027	OBUS	Aggregate	Aggregate	GAS	1040.080445	42942.02764	20809.92954	7.687870115
Orange (SC)	2027	PTO	Aggregate	Aggregate	DSL	0	37906.03747	0	6.85036607
Orange (SC)	2027	SBUS	Aggregate	Aggregate	GAS	671.9951713	26631.85875	2687.980685	2.774543911
Orange (SC)	2027	SBUS	Aggregate	Aggregate	DSL	1179.356847	37216.52093	13609.6145	4.64845645
Orange (SC)	2027	T6 Ag	Aggregate	Aggregate	DSL	0.964303558	3.352180149	4.242935655	0.000408759
Orange (SC)	2027	T6 CAIRP heavy	Aggregate	Aggregate	DSL	110.510036	20275.27994	1613.446526	1.489407918
Orange (SC)	2027	T6 CAIRP small	Aggregate	Aggregate	DSL	56.2573069	2677.293555	821.3566808	0.216485948
Orange (SC)	2027	T6 instate construction heavy	Aggregate	Aggregate	DSL	457.3436373	28078.13194	2067.632803	2.457695358
Orange (SC)	2027	T6 instate construction small	Aggregate	Aggregate	DSL	2891.984113	148861.3147	13074.54773	12.64697887
Orange (SC)	2027	T6 instate heavy	Aggregate	Aggregate	DSL	5881.802885	740673.8091	67875.18981	58.00069552
Orange (SC)	2027	T6 instate small	Aggregate	Aggregate	DSL	22234.1027	1073485.347	256578.4625	90.81158243
Orange (SC)	2027	T6 OOS heavy	Aggregate	Aggregate	DSL	62.74014135	11499.56768	916.0060636	0.845018564
Orange (SC)	2027	T6 OOS small	Aggregate	Aggregate	DSL	33.94974398	1611.695794	495.6662622	0.130322471
Orange (SC)	2027	T6 Public	Aggregate	Aggregate	DSL	812.3381988	12596.69509	2464.092534	1.41952843
Orange (SC)	2027	T6 utility	Aggregate	Aggregate	DSL	358.2058106	5944.577494	4119.366822	0.538069649
Orange (SC)	2027	T6TS	Aggregate	Aggregate	GAS	7246.119806	327783.7638	144980.3651	61.03610226
Orange (SC)	2027	T7 Ag	Aggregate	Aggregate	DSL	1.681505339	9.08908834	7.398623492	0.00178975
Orange (SC)	2027	T7 CAIRP	Aggregate	Aggregate	DSL	1007.407148	191192.3585	14708.14436	23.57429513
Orange (SC)	2027	T7 CAIRP construction	Aggregate	Aggregate	DSL	110.0170915	20168.76608	497.3829934	2.378599446
Orange (SC)	2027	T7 NNOOS	Aggregate	Aggregate	DSL	1259.107385	233090.2296	18382.96782	27.25229341
Orange (SC)	2027	T7 NOOS	Aggregate	Aggregate	DSL	402.1908813	75120.06652	5871.986866	9.528867836
Orange (SC)	2027	T7 POLA	Aggregate	Aggregate	DSL	1467.798269	224391.0831	11155.26684	30.36456664
Orange (SC)	2027	T7 Public	Aggregate	Aggregate	DSL	1062.533928	21525.17373	3223.019579	3.379178234
Orange (SC)	2027	T7 Single	Aggregate	Aggregate	DSL	2638.115005	190902.3815	30443.4814	25.03836861
Orange (SC)	2027	T7 single construction	Aggregate	Aggregate	DSL	711.7190316	50034.999	3217.65407	6.518928658
Orange (SC)	2027	T7 SWCV	Aggregate	Aggregate	DSL	196.267815	8019.18492	765.4444786	3.92423865
Orange (SC)	2027	T7 SWCV	Aggregate	Aggregate	NG	1206.5647	49163.07182	4705.60233	20.13987288
Orange (SC)	2027	T7 tractor	Aggregate	Aggregate	DSL	2406.796109	288099.0256	30566.31059	34.85425589
Orange (SC)	2027	T7 tractor construction	Aggregate	Aggregate	DSL	604.7066029	41274.46906	2733.855041	5.424489278
Orange (SC)	2027	T7 utility	Aggregate	Aggregate	DSL	69.75748183	1413.724483	802.211041	0.206604438
Orange (SC)	2027	T7IS	Aggregate	Aggregate	GAS	11.65381443	1571.020339	233.1695192	0.322655358
Orange (SC)	2027	UBUS	Aggregate	Aggregate	GAS	218.5316928	20645.50577	874.1267714	4.701983811
Orange (SC)	2027	UBUS	Aggregate	Aggregate	DSL	0	0	0	0
Orange (SC)	2027	UBUS	Aggregate	Aggregate	NG	769.0020028	89066.38771	3076.008011	23.0535215

EMFAC Fuel Usage: Year 2028

Vehicle type	GAS			DSL			NG			ELEC
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day
All other buses	0	0	0.00	34,152	2,895	11.80	0	0	0.00	0
LDA	50,878,519	1,366,110	37.24	592,226	10,248	57.79	0	0	0.00	2,456,904
LDT1	5,651,025	179,391	31.50	736	24	30.13	0	0	0.00	139,601
LDT2	16,749,818	548,496	30.54	155,300	3,672	42.29	0	0	0.00	349,262
LHD1	1,207,235	104,692	11.53	1,136,879	47,905	23.73	0	0	0.00	0
LHD2	211,670	21,216	9.98	441,498	20,642	21.39	0	0	0.00	0
MCY	446,647	12,073	37.00	0	0	0.00	0	0	0.00	0
MDV	10,621,238	431,880	24.59	338,225	10,509	32.18	0	0	0.00	236,535
MH	62,476	10,910	5.73	28,727	2,547	11.28	0	0	0.00	0
Motor coach	0	0	0.00	19,918	2,671	7.46	0	0	0.00	0
OBUS	42,945	7,555	5.68	0	0	0.00	0	0	0.00	0
PTO	0	0	0.00	38,655	6,898	5.60	0	0	0.00	0
SBUS	27,559	2,845	9.69	36,949	4,536	8.14	0	0	0.00	0
T6	316,888	58,173	5.45	2,071,885	167,857	12.34	0	0	0.00	0
T7	1,666	337	4.95	1,366,552	171,372	7.97	51,159	20,626	2.48	0
UBUS	20,764	4,599	4.51	0	0	0.00	89,577	23,186	3.86	0
Total	**86,238,450**	**2,748,277**	**31.38**	**6,261,703**	**451,777**	**13.86**	**140,735**	**43,812**	**3.21**	**3,182,302**

Source: EMFAC2017 (v1.0.3) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2028
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
Orange (SC)	2028	All Other Buses	Aggregate	Aggregate	DSL	608.7994889	34151.811	5113.916	2.8946301
Orange (SC)	2028	LDA	Aggregate	Aggregate	GAS	1411674.912	50878519	6683309	1366.110377
Orange (SC)	2028	LDA	Aggregate	Aggregate	DSL	15920.07914	592226.27	76102.48	10.24781606
Orange (SC)	2028	LDA	Aggregate	Aggregate	ELEC	59785.95341	2456904.3	294218.8	0
Orange (SC)	2028	LDT1	Aggregate	Aggregate	GAS	163763.9552	5651024.5	758748.1	179.3913134
Orange (SC)	2028	LDT1	Aggregate	Aggregate	DSL	24.64592637	736.2972	102.2032	0.024440088
Orange (SC)	2028	LDT1	Aggregate	Aggregate	ELEC	3304.208074	139600.88	16405.61	0
Orange (SC)	2028	LDT2	Aggregate	Aggregate	GAS	479336.0185	16749818	2240043	548.4958134
Orange (SC)	2028	LDT2	Aggregate	Aggregate	DSL	4143.230594	155300.45	19940.42	3.672215391
Orange (SC)	2028	LDT2	Aggregate	Aggregate	ELEC	12010.15439	349262.5	59524.74	0
Orange (SC)	2028	LHD1	Aggregate	Aggregate	GAS	34730.58361	1207235.2	517433.9	104.6915573
Orange (SC)	2028	LHD1	Aggregate	Aggregate	DSL	30433.21529	1136879.1	382811.6	47.90513915
Orange (SC)	2028	LHD2	Aggregate	Aggregate	GAS	6392.171731	211670.27	95233.83	21.21576199
Orange (SC)	2028	LHD2	Aggregate	Aggregate	DSL	12187.99996	441498.2	153309.7	20.64231446
Orange (SC)	2028	MCY	Aggregate	Aggregate	GAS	68131.40087	446647.33	136262.8	12.07305509
Orange (SC)	2028	MDV	Aggregate	Aggregate	GAS	315682.2972	10621238	1460180	431.8803134
Orange (SC)	2028	MDV	Aggregate	Aggregate	DSL	9344.610081	338224.94	44718.52	10.50891778
Orange (SC)	2028	MDV	Aggregate	Aggregate	ELEC	7944.433907	236534.54	39689.56	0
Orange (SC)	2028	MH	Aggregate	Aggregate	GAS	6473.626009	62476.009	647.6215	10.91026305
Orange (SC)	2028	MH	Aggregate	Aggregate	DSL	3291.859311	28726.552	329.1859	2.546896573
Orange (SC)	2028	Motor Coach	Aggregate	Aggregate	DSL	164.551134	19917.638	2402.447	2.670926875
Orange (SC)	2028	OBUS	Aggregate	Aggregate	GAS	1050.693206	42944.949	21022.27	7.555274103
Orange (SC)	2028	PTO	Aggregate	Aggregate	DSL	0	38655.155	0	6.897530393
Orange (SC)	2028	SBUS	Aggregate	Aggregate	GAS	700.7807641	27558.995	2803.123	2.845237681
Orange (SC)	2028	SBUS	Aggregate	Aggregate	DSL	1169.171649	36949.45	13492.08	4.536483042
Orange (SC)	2028	T6 Ag	Aggregate	Aggregate	DSL	0.982333473	3.0713485	4.322267	0.000380862
Orange (SC)	2028	T6 CAIRP heavy	Aggregate	Aggregate	DSL	113.338323	20536.043	1654.74	1.470614651
Orange (SC)	2028	T6 CAIRP small	Aggregate	Aggregate	DSL	57.81631643	2708.3313	844.1182	0.214806161
Orange (SC)	2028	T6 instate constr	Aggregate	Aggregate	DSL	459.2900529	27977.631	2076.432	2.432923706
Orange (SC)	2028	T6 instate constr	Aggregate	Aggregate	DSL	2922.681593	148328.49	13213.33	12.39141078
Orange (SC)	2028	T6 instate heavy	Aggregate	Aggregate	DSL	6197.171346	756143.87	71514.5	58.26086369
Orange (SC)	2028	T6 instate small	Aggregate	Aggregate	DSL	22846.74898	1084416.7	263648.3	90.21025289
Orange (SC)	2028	T6 OOS heavy	Aggregate	Aggregate	DSL	64.26033696	11644.512	938.2009	0.833941274
Orange (SC)	2028	T6 OOS small	Aggregate	Aggregate	DSL	34.91956559	1632.5394	509.8257	0.129473782
Orange (SC)	2028	T6 Public	Aggregate	Aggregate	DSL	805.7960291	12500.507	2444.248	1.381581585
Orange (SC)	2028	T6 utility	Aggregate	Aggregate	DSL	361.2684856	5993.0885	4154.588	0.530846226
Orange (SC)	2028	T6TS	Aggregate	Aggregate	GAS	7159.800858	316888.09	143253.3	58.17279318
Orange (SC)	2028	T7 Ag	Aggregate	Aggregate	DSL	1.787732761	9.0524971	7.866024	0.001805411
Orange (SC)	2028	T7 CAIRP	Aggregate	Aggregate	DSL	1001.972089	193485.71	14628.79	23.06514192
Orange (SC)	2028	T7 CAIRP constru	Aggregate	Aggregate	DSL	109.3944774	20096.575	494.5682	2.30913235
Orange (SC)	2028	T7 NNOOS	Aggregate	Aggregate	DSL	1290.131692	235886.38	18835.92	26.89116812
Orange (SC)	2028	T7 NOOS	Aggregate	Aggregate	DSL	400.0689577	76021.439	5841.007	9.325379958
Orange (SC)	2028	T7 POLA	Aggregate	Aggregate	DSL	1470.126521	234804.68	11172.96	31.31889862
Orange (SC)	2028	T7 Public	Aggregate	Aggregate	DSL	1064.627323	21568.315	3229.37	3.312146198
Orange (SC)	2028	T7 Single	Aggregate	Aggregate	DSL	2663.768192	194675.09	30739.52	25.1970846
Orange (SC)	2028	T7 single constru	Aggregate	Aggregate	DSL	705.2758777	49855.907	3188.525	6.406136229
Orange (SC)	2028	T7 SWCV	Aggregate	Aggregate	DSL	178.9154178	7310.1941	697.7701	3.576428099
Orange (SC)	2028	T7 SWCV	Aggregate	Aggregate	NG	1255.465929	51158.615	4896.317	20.62587204
Orange (SC)	2028	T7 tractor	Aggregate	Aggregate	DSL	2465.865674	290286.77	31316.49	34.44054935
Orange (SC)	2028	T7 tractor constr	Aggregate	Aggregate	DSL	596.9944113	41126.734	2698.989	5.324863435
Orange (SC)	2028	T7 utility	Aggregate	Aggregate	DSL	70.38299948	1425.5766	809.4045	0.203415465
Orange (SC)	2028	T7IS	Aggregate	Aggregate	GAS	12.4909802	1665.5986	249.9195	0.336641971
Orange (SC)	2028	UBUS	Aggregate	Aggregate	GAS	219.7841378	20763.829	879.1366	4.598885447
Orange (SC)	2028	UBUS	Aggregate	Aggregate	DSL	0	0	0	0
Orange (SC)	2028	UBUS	Aggregate	Aggregate	NG	773.4092933	89576.843	3093.637	23.18564543

Appendix E: Phase I Environmental Site Assessment

Appendices

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

conducted on

Sears at Brea Mall
100 Brea Mall Road
Brea, CA

Apex Job No: SIMON1801-001

May 12, 2018

Prepared for:

Mr. Andrew Sargent
SPS Portfolio Holdings, LLC
c/o Simon Property Group
225 Washington Street
Indianapolis, IN 46204
Tel: 317-263-7760

Prepared by:

Apex Companies, LLC
16075 Sorrento Valley Road, Suite 203
San Diego, CA 92121

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EXECUTIVE SUMMARY

Apex Companies, LLC performed a Phase I ESA of the Sears store at the Brea Mall (Site) located at 100 Brea Mall, Brea, California in general conformance with the scope and limitations of ASTM Practice E1527-13 and additional terms and conditions required by contract with SPS Portfolio Holdings, LLC.

The Site is currently developed with a two-story Sears department store and attached automotive service center. The Site comprises approximately 13.21 acres and includes the retail building and adjoining parking areas. The Sears store occupies approximately 169,000 square-feet and the automotive service center occupies approximately 12,250 square-feet and is situated in the southwestern portion of the larger Brea Mall. Surrounding properties consist of commercial development and parking areas. Based on review of historical sources, the Site was used for agricultural purposes from the 1930s to the 1970s, and the current building was reportedly constructed in approximately 1977.

The Findings and Conclusions of our Phase I ESA are summarized below. Please refer to the entire report and appropriate Report Section for additional details regarding our findings.

TABLE ES-1
FINDINGS AND CONCLUSIONS SUMMARY

Report Section		Further Action?	De Minimis Condition	Recognized Environmental Condition (REC)	Historical REC (HREC)	Controlled REC (CREC)	ASTM Non-Scope Condition	Comments
3.0	**User Provided Information**	Yes		Yes				Hydraulic hoists, floor drains, oil/water separator, former waste oil UST
4.1	**Standard Environmental Record Sources (Databases)**	No						
4.2	**Additional Environmental Record Sources**	No						
4.5	**Historical Records Sources**	No						
5.0	**Site Reconnaissance**	Yes	Yes	Yes				Hydraulic hoists, floor drains, oil/water separator, former waste oil UST
6.0	**Interviews and Regulatory Agency Files**	No						
9.0	**Non-ASTM Considerations**	No						

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Apex performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of the Sears at Brea Mall, 100 Brea Mall, Brea, California. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has revealed the following evidence of Recognized Environmental Condition in connection with the Site:

- Apex considers the operation of the automotive service center since the late 1970's to be a REC. The presence of hydraulic lifts, floor drains, and oil/water separator, and a former underground waste oil tank are possible sources of releases to the subsurface.

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1.0 INTRODUCTION

1.1 Purpose

Apex Companies, LLC (Apex) has prepared this Phase I Environmental Site Assessment (ESA) of the Sears at Brea Mall at 100 Brea Mall Road, Brea, California. This Phase I ESA was performed at the request of SPS Portfolio Holdings, LLC. The purpose of this ESA is to identify the potential for recognized environmental conditions to exist at the Site.

1.2 Scope of Services

This ESA complies with the general scope and limitations of the ASTM Standard Practice for ESAs: The Phase I ESA Process, Designation E1527-13 and the U.S. Environmental Protection Agency's Standards and Practices for All Appropriate Inquiries, 40 CFR, Part 312**.**

The scope of services comprising this Phase I ESA was conducted to provide a reasonable level of investigation to identify *Recognized Environmental Conditions (RECs)*. This term, as well as the associated terms Historical REC (HREC), Controlled REC (CREC), and *de minimis* condition, are defined by ASTM E1527-13 and these definitions are provided in **Section 10.0** of this report.

1.3 Significant Assumptions

Apex has performed the historical and environmental record searches in accordance with ASTM E1527-13 and current industry practice. The data, findings, and conclusions presented in this Phase I ESA are based upon a search, review, and analysis of documents and interviews.

Conclusions reached regarding the conditions of the Site do not represent a warranty that all areas within the Site are of a similar quality as may be inferred from observable Site conditions and available Site history. As stated in the ASTM standard, no Phase I ESA can wholly eliminate uncertainty regarding the potential for environmental liability in connection with the Site. Apex's evaluation and analysis are intended to reduce, not eliminate, the potential for conditions that result in liability for the end user of this Phase I ESA.

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1.4 Limitations and Exceptions

This report was prepared as a result of a contractual agreement that defined the approach and scope of services to be employed during the course of the investigation. The opinions and conclusions expressed in this study have been based strictly on the results of these contracted services. The scope of this Phase I ESA is intended to aid in the evaluation of RECs. Findings contained within this report are based on information collected from observations made on the day(s) of the Site reconnaissance and from reasonably ascertainable information obtained from certain public agencies and other referenced sources. The services provided by Apex should not be construed as a warranty or guarantee that no RECs exist at the Site or that all RECs have been uncovered. No conclusions are stated or implied concerning the suitability of the Site for its eventual use. This document is not intended for purposes other than those expressly set forth herein or for use by parties other than for whom it has been prepared.

As limited by the ASTM Standard for Phase I ESAs, and Apex's scope of work, this project was non-intrusive in nature and did not include sampling or testing of soils, groundwater, surface water, building materials, or other materials. Additionally, unless specifically described in this report, Apex's scope of work explicitly excluded issues that are outside the scope of ASTM E1527-13 and may constitute a business environmental risk as defined by ASTM (see **Section 10.0**, Terminology).

ASTM Standard Practice E1527-13 recognizes inherent limitations for Phase I ESAs, including, but not limited to:

- Uncertainty Not Eliminated - No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs, and this practice recognizes reasonable limits of time and cost.

- Not Exhaustive - All Appropriate Inquiry does not mean an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions.

- Level of Inquiry Is Variable - Not every property will warrant the same level of assessment. Consistent with good commercial or customary practice, the appropriate level of environmental site assessment will be guided by the type of property, the expertise and risk tolerance of the user, and the information developed in the course of the inquiry.

In general, EPA does not regulate indoor air quality except to the extent that indoor air impacts are caused by releases of hazardous substances into subsurface soil or groundwater (vapor intrusion). ASTM E1527-13 defines "migrate" and "migration" as referring to the movement of hazardous substances or petroleum products in any form, including solid and liquid at the surface or subsurface, and vapor in the

subsurface. Vapor migration in the subsurface is described in Guide E2600 – Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transaction; however, nothing in ASTM E1527-13 requires application of the Guide E2600 standard to achieve compliance with all appropriate inquiries.

A Phase I ESA meeting or exceeding this practice and completed less than 180 days prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction, is presumed to be valid. A Phase I ESA meeting or exceeding this practice and for which the information was collected or updated within one year prior to the date of the intended transaction may be used provided that the following components of the ESA were conducted or updated within 180 days of the date of purchase or the date of the intended transaction:

- interviews with owners, operators, and occupants;
- searches for recorded environmental cleanup liens;
- reviews of federal, tribal, state, and local government records;
- visual inspections of the property and of adjoining properties, and;
- the declaration by the environmental professional responsible for the assessment or update.

1.5 Special Terms and Conditions

There are no other special terms or conditions concerning this project other than those specifically described in **Section 1.2**, Scope of Work.

1.6 User Reliance

This report documents the Phase I ESA of the Site performed by Apex at the explicit request and direction of SPS Portfolio Holdings, LLC in general accordance with ASTM 1527-13 and the US EPA Standards and Practices for All Appropriate Inquiries, 40 CFR 312. The findings, opinions, and conclusions of this Phase I ESA are for the confidential and exclusive use of SPS Portfolio Holdings, LLC and the Simon Property Group. Reliance on this report for any use or by parties other than specifically stated is prohibited without the express written consent of Apex, and SPS Portfolio Holdings, LLC and the Simon Property Group, and such use is at the sole risk of the user.

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2.0 SITE DESCRIPTION

2.1 Site Location and Ownership

The Site is located within the Brea Mall at 100 Brea Mall Road, in Brea, Orange County, California. According to information obtained from the Orange County Assessor, the Site has been assigned Assessor's Parcel Number 319-101-37 and is owned by Sears, Roebuck and Company. A Site Location Map is included as **Figure 1** and a Site Plan is included as **Figure 2, Appendix 1**.

2.2 Site and Vicinity General Characteristics

The Site is located in the City of Brea, California in an area of commercial development. The Site comprises approximately 13.21 acres and includes the retail building and adjoining parking areas. The Sears store occupies approximately 169,000 square-feet and the automotive service center occupies approximately 12,250 square-feet. The Site is bordered to the north and east by retail tenants associated with the Brea Mall. Parking areas are to the west and south. Details regarding adjoining properties are provided in **Section 2.4**. Photographs of the Site vicinity are provided in **Appendix 2**.

2.3 Current Site Use and Improvements

The Site is located within a larger multi-tenant shopping mall building. The Site consists of approximately 13.21 acres and includes the retail building and adjoining parking areas. The Sears store occupies approximately 169,000 square-feet and the automotive service center occupies approximately 12,250 square-feet within the southwestern portion of the larger Brea Mall.

2.4 Current Use of Adjoining Properties

Adjacent properties are defined as those sharing borders with the Site or separated only by a street, alley or other public right-of-way. A summary of adjacent land use as determined from aerial photographs and the Site reconnaissance is as follows:

TABLE 2-2
ADJOINING PROPERTY INFORMATION

Direction	Properties
North	Nordstrom, the Foreign Exchange, Bebe, The Glen Ivy Day Spa, and Custom Signz
East	H&M, Lens Crafters, The Gar, California Pizza Kitchen; Parking lot; Brea Mall Drive

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South	Parking lot, Brea Mall Drive, and BJ's Brew House and the Cheesecake Factory Restaurants
West	Parking lot and parking structure; Brea Mall Drive

Nearby properties of potential environmental concern are discussed further in **Sections 4.0** and **7.0** of this report.

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3.0 USER PROVIDED INFORMATION

ASTM E1527-13 defines "User" as the party seeking to use Practice E1527 to complete an environmental site assessment of the Site. Apex understands that SPS Portfolio Holdings, LLC is the User as defined by ASTM E1527-13. ASTM E1527-13 specifies that certain tasks associated with identifying potential *recognized environmental conditions* at the Site should be performed by the User and provided to the Environmental Professional (i.e., User Responsibilities). Accordingly, Apex provided a Questionnaire to SPS Portfolio Holdings, LLC requesting the above information. The User Questionnaire was not returned to Apex. This is considered to be a data gap.

TABLE 3-1
USER PROVIDED INFORMATION

Data Type	Information Provided
Environmental Liens, AUL, Title Records	The User did not provide information regarding environmental liens or AULs
Specialized User Knowledge	Specialized knowledge was not provided by the User.
Commonly Known or Reasonably Ascertainable Information	The User provided previous reports or provide commonly known or reasonably ascertainable information material to recognized environmental conditions.
Valuation Reduction for Environmental Issues	User did not provide information indicating a valuation reduction for environmental issues.
Reason for Performing Phase I ESA	This Phase I ESA was performed in connection with proposed improvement activities.
Other User Provided Information	Historical environmental reports provided by the client are summarized below and presented as **Appendix 2**.

A Tank Removal Letter Report for the Site was prepared Petroleum Industry Consultants, Inc. (PIC) and dated October 7, 1988. According to the letter report a 550-gallon waste oil underground storage tank (UST) operated by Sears removed from the Site. The UST was located to the west of the automotive service center and removed on September 30, 1988. Removal was conducted under the supervision of the Orange County Fire Authority and Orange County Heath Care Agency (OCHCA). One confirmation sample was collected from the bottom of the UST excavation at a depth of 10 feet below ground surface (bgs) (Sample P1) and one sample from the resulting soils stockpile (Sample SP1) generated from excavation activities. The soil samples were analyzed for total petroleum hydrocarbons (TPH) in general accordance with United States Environmental Protection Agency (USEPA) Method 418.1. TPH concentrations were reported to be below detection limits in Sample P1, while TPH was detected at 27 milligrams per kilogram (mg/kg) in Sample SP1. PIC concluded that the laboratory results indicated no significant release.

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Two Hazardous Materials Business Plans prepared by Burns & McDonnel for Sears #1638/6458/8358, 100 Brea Mall, Brea, CA for submission to OCHCA were dated February 11, 2008 and February 12, 2009. According to the documents, hazardous materials stored at the Site included the following:

- Floor degreaser,
- Helium,
- Parts washing solvent,
- Used shop rags,
- Motor oil,
- Waste gasoline,
- Used antifreeze,
- Used oil filters,
- Used lead batteries,
- Refrigerant R-134A,
- Waste aerosols,
- Waste corrosives,
- Waste oxidizers,
- Waste propane,
- Used lead weights, and
- Used brake fluid.

None of the materials was reported to be stored in a UST. Motor oil and used antifreeze were the only materials reported to be stored in aboveground storage tanks (ASTs). The remaining materials were reported to be stored in containers of 55-gallons or less.

A Phase I ESA for Sears Store #1638/6458, 100 Brea Mall, Brea, CA was prepared by Terracon and dated October 27, 2014. According to the report, the Site was historically undeveloped land prior to the construction of the current department store in the late 1970s. Terracon reported the Site was occupied by Sears at the time of their report and the Site was used as a department store, automotive service center, and parking. Terracon noted an emergency generator, hydraulic elevators, a solid waste compactor, a cardboard baler, two ASTs, interior floor drains, pad-mounted transformers, and a solid waste dumpster at the Site. Based on site reconnaissance, RECs were not identified by Terracon associated with the aforementioned features. Other features included five hydraulic hoists and one 4-stage oil water separator associated with the automotive service center. Terracon summarized a subsurface investigation associated with the removal of one hydraulic hoist/reservoir from the automotive service center in 2007. Soil samples collected following removal of the unit were reportedly field screened utilizing a Petroflag® kit system. The samples reportedly exhibited TPH concentrations ranging from 68 to 143 mg/kg. Subsequently soil samples were collected from the excavation and analyzed for TPH and polychlorinated biphenyls (PCBs). Analytical results indicated that TPH and PCBs concentrations were below laboratory method detection limits (analytical methods not mentioned). Approximately 40 gallons of hydraulic oil and 9.4 tons of excavated soil were removed and disposed at off-site facilities. Based on the analytical results, recommended no

further action was recommended. Terracon reported that RECs associated with the Site included the operation of hydraulic hoists and an oil/water separator associated with the automotive service center.

A Phase II Environmental Site Assessment for Sears Store # 1638/6458, 100 Brea Mall, Brea, CA was prepared by Terracon and was dated April 17, 2015. The purpose of the assessment was to assess possible impacts to the Site resulting from the operation of the six active hydraulic hoists (an extra hoist was noted during the Phase II investigation) and the 4-stage oil water separator at the Site. Terracon drilled six soil borings (SB-1 through SB-6) one near each area of reservoir to maximum depths of 15 feet below ground surface (bgs). Terracon also drilled one soil boring (SB-7) in the area of the oil/water separator to a depth of 10 feet bgs. Terracon collected soil samples continuously for observation and field screening, and selected one soil sample from the soil boring for laboratory analysis. The soil samples were analyzed for Volatile Organic Compounds (VOCs) using USEPA Method 8260B and TPH using modified USEPA Method 8015.The soil samples collected did not exhibit VOC or TPH as gasoline (TPHg) range concentrations above the laboratory method detection limits. The soil samples collected from SB-4 and SB-7 exhibited TPH as diesel (TPHd) concentrations ranging from below detection limits to 2.8J mg/kg and TPH-oil (TPHo) concentrations ranging from below detection limits to 4.7 mg/kg. A “J-value” was reported to be an estimated concentration reported between the laboratory method detection limits and the laboratory reporting limits. The concentrations detected were reported to be below the Los Angeles Regional Water Quality Control Board’s designated Maximum Contaminant Levels (MCLs) for TPHd (100 mg/kg) and TPHo (1,000 mg/kg) in soil in which groundwater is anticipated at less than 20 feet below the affected zone. The soil sample exhibiting the maximum concentration of TPH (SB-7 at a depth of 3 to 5 feet bgs) was additionally analyzed for CAM-17 metals using USEPA Method 6010/7000. The soil sample collected from SB-7 at 3 to 5 feet bgs reportedly exhibited various CAM-17 metals concentrations above the laboratory method reporting limits. The reported metals concentrations were compared to the California Human Health Screening Levels (CHHSLs), and with the exception of arsenic, the remaining reported concentrations were below the applicable CHHSL values for residential and commercial land use. The detected arsenic concentration of 2.0J mg/kg is above the residential and commercial CHHSL values of 0.07 mg/kg and 0.24 mg/kg, respectively. The detected arsenic concentration of 2.0J mg/kg was reportedly below the published California Department of Toxic Substances Control (DTSC) accepted regional background concentration screening level of 12 mg/kg for soil in southern California. Based on the soil sampling results, impacts to soil were not detected in the hydraulic lift areas and adjacent to the oil/water separator. Terracon concluded that the usage of petroleum and VOCs in the locations of the hydraulic lifts and oil/water separator did not appear to have impacted the Site.

A Phase I ESA for Sears Store #168 & Sears Auto Center #6458, 100 Brea Mall, Brea, CA was prepared by Terracon and dated May 6, 2015. According to the report, the Site was historically undeveloped land prior to the construction of the current department store in the late 1970s. Terracon reported the Site

was occupied by Sears at the time of their report and the Site was used as a department store, automotive service center, and parking. Terracon noted an emergency generator, hydraulic elevators, a solid waste compactor, a cardboard baler, two ASTs, multiple interior floor drains, pad-mounted transformers, a solid waste dumpster, six hydraulic hoists, and a 4-stage oil/water separator at the Site. Based on site reconnaissance, previously summarized Phase II ESA, historical records, and agency records, Terracon did not identify any RECs associated with the Site.

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4.0 RECORDS REVIEW

4.1 Standard Environmental Record Sources

Consistent with ASTM E1527-13, Apex obtained and reviewed environmental databases and records to characterize the obvious and apparent uses of the Site. Apex retained Environmental Risk Information Services (ERIS) to provide a database and records search report. Apex has reviewed the listings provided by the database report and evaluated whether these listings should be considered RECs, and discusses listings pertaining to the Site, adjoining properties, or that are considered to be RECs in the sections below.

Environmental record sources required by the ASTM standard, and included in Apex's review, are listed below in **Table 4-1**. Other, supplemental (non-ASTM) databases were included in the review as well. A copy of the environmental records search report is presented in **Appendix 4.**

TABLE 4-1
SUMMARY OF ENVIRONMENTAL DATABASE INFORMATION

Environmental Record	Search Distance (Miles)	No. of Sites Listed	Site Listed?
Federal National Priorities Sites List (NPL)	1.0	0	No
Federal Delisted NPL Sites	1.0	0	No
Federal CERCLIS Sites	0.5	0	No
Federal CERCLIS NFRAP Sites	0.5	0	No
Federal RCRA CORRACTS Facilities	1.0	0	No
Federal RCRA Non-CORRACTS TSD Facilities List	0.5	0	No
Federal RCRA Generators List	0.25	13	Yes
Federal Institutional Control / Engineering Control Registries (IC/EC)	0.5	0	No
Federal Emergency Response Notification System (ERNS) List	Site	0	No
State / Tribal-Equivalent NPL Sites	1.0	0	No
State / Tribal-Equivalent CERCLIS Sites	0.5	8	No
State / Tribal-Equivalent Landfill and Solid Waste Disposal Sites	0.5	0	No
State / Tribal-Equivalent Leaking Storage Tank (LUST) Sites	0.5	10	No
State / Tribal-Equivalent Spills Leaks Investigations and Cleanup (SLIC) List	0.5	0	No
State / Tribal Registered Storage Tank List	0.25	3	Yes

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TABLE 4-1 SUMMARY OF ENVIRONMENTAL DATABASE INFORMATION			
Environmental Record	**Search Distance (Miles)**	**No. of Sites Listed**	**Site Listed?**
State / Tribal Voluntary Cleanup Sites (VCP)	0.5	0	No
State / Tribal Brownfields Sites	0.5	0	No
State / Tribal Institutional Control / Engineering Control Registries (IC/EC)	0.5	0	No

The Site was listed on the California Environmental Reporting System (CERS) database as a chemical storage facility and as a hazardous waste generator between 2013 and 2016. Violations listed on this database included submitting an incorrect Hazardous Materials Business Plan (HMBP), not submitting a HMBP, not labeling containers, not maintaining manifests, and for a leaking bottle of acid (which was corrected during the inspection). Due to the nature of the violations, they are not considered to be a REC.

The Site was listed on the HAZNET database for the generation of hazardous waste. Waste reported to have been generated included off-specification aged or surplus organics and unspecified organic liquid mixture between 1995 and 2015. Based upon information presented in the database report waste generated included unspecified solvent mixture, aqueous solution with total organics <10%, unspecified organic liquid mixture, liquids containing lead, oil/water separator sludge, other organic solids, oxygenated solvents, alkaline solution, unspecified oil waste, hydrocarbon solvent, surplus organics, latex waste, and liquids with pH less than or equal to 2. No violations were listed on the database. Based upon status, this listing is not considered to be a REC.

The Site was listed on the Historic HAZNET database as a hazardous waste generator. Wastes reported to have been generated at the Site between 1989 and 1992 on the database included paint sludge, unspecified aqueous solution, and halogenated solvents. No violations were listed. Based upon the status this listing is not considered to be a REC.

The Site was listed on the RCRA database as a small quantity waste generator. Violations were reported on database for the Site in 1992 and 1994. Specific information regarding the nature of the violation was not included in the listing.

The Site was also listed on the Delisted Tank database. Additional information regarding this listing was presented in **Section 3.0** in the previous reports.

Apex has limited the discussion of the surrounding properties based upon a combination of proximity, reported violations or releases, and presumed groundwater flow direction. These listings are

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summarized as follows:

Tosco 76 Station #6356 at 1200 Imperial Highway is located approximately 400 feet to the southeast and downgradient from the Site is listed on the LUST database. This facility experienced an unauthorized groundwater release that impacted groundwater. Regulatory closure for the release was granted in 2003. Based upon the status and downgradient location this facility is not considered to be a REC.

Firestone at 891 Imperial Highway is located approximately 0.1 mile to the west and crossgradient from the Site is listed on the LUST database. This facility experienced an unauthorized diesel fuel release that impacted soil. Regulatory closure was granted in 1995. Based upon the status and distance this facility is not considered to be a REC.

City of Brea at 1 Civic Center is located approximately 0.1 mile to the northeast and upgradient from the Site is listed on the LUST database. This facility experienced an unauthorized diesel fuel release that impacted groundwater. Regulatory closure was granted in 1991. Based upon the status and distance this facility is not considered to be a REC.

Chevron at 700 Imperial Highway is located approximately 0.25 mile to the west and crossgradient from the Site is listed on the LUST database. This facility experienced an unauthorized gasoline release that impacted groundwater and is currently an active case. Due to the distance and crossgradient location this facility is not considered to be a REC.

Based on location, distance, type of listing, or regulatory status, none of the other facilities listed in the environmental databases are considered an environmental concern.

A total of 17 facilities that could not be mapped due to incomplete or incorrect address/geocoding information were listed in the database report. These sites were reviewed and determined to not be within the vicinity of the Site.

4.2 Additional Environmental Record Sources

The ASTM E1527-13 standard provides for review and analysis of additional environmental record sources during the performance of a Phase I ESA at the discretion of the environmental professional. Relevant factors in determining whether additional environmental records sources should be reviewed include, but are not limited to:

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- the completeness of data provided by standard environmental record sources;
- whether additional environmental records sources are reasonably ascertainable;
- whether additional environmental record sources are useful, accurate, and complete in light of the records review objectives, and;
- whether additional environmental record sources are customarily obtained pursuant to the type of commercial real estate transaction involved.

Apex notes that some other nearby properties were identified on one or more non-ASTM environmental databases, which were not discussed above based on other database listings; however, these facilities were not considered to be environmental concerns for the Site.

4.3 Environmental Liens and AULs

Environmental liens and AULs can commonly be found within recorded land title records (e.g., County Recorder/Registry of Deeds). The types of title reports that may disclose environmental liens and AULs include Preliminary Title Reports, Title Commitments, Condition of Title, and Title Abstracts. Chain of title reports will not normally disclose environmental liens or AULs. Environmental liens and AULs that are imposed by judicial authorities may be recorded or filed in judicial records only. An environmental lien and AUL search was not obtained by Apex.

4.4 Physical Setting

Sources consulted to characterize the physical setting of the Site are identified in Section **9.0**, References.

According to the United States Geological Survey (USGS) 7.5–minute topographic map of the area (La Habra, CA), the Site generally slopes to the southwest and is located at an elevation of approximately 360 feet above mean sea level (MSL).

According to the United States Fish and Wildlife Services (USFWS) National Wetlands Inventory wetlands mapper, there are no wetlands on the Site.

According to the Flood Emergency Mapping Agency (FEMA) Flood Insurance Rate Map (FIRM), the Site is not listed as being within the 100- or 500-year floodplains.

According to the National Cooperative Soil Survey (NCSS) Web Soil Survey at websoilsurvey.nrcs.usda.gov, the predominant soils on the Site consisted of Myford sandy loam. This soil

are moderately well drained soils and have high potential for runoff.

According to information associated with subsurface investigations in the vicinity presented on the State Water Resources Control Board's GEOTRACKER webpage, the Site is located along the northern edge of the Orange County Coastal Plain. The Puente Hills are located approximately two miles north-northeast of the Site. The Whittier Fault Zone, which borders the southern edge of the Puente Hills, is located approximately two miles northeast of the Site. The Puente Hills are composed primarily of Tertiary age consolidated sedimentary rocks that consist of sandstone, siltstone, and shale. Groundwater in the Site vicinity is likely to be encountered approximately 30 to 40 feet bgs. Based upon local topography the groundwater flow direction is expected to be to the southwest.

4.5 Historical Use Information

Apex collected information from historical data sources consisting of interviews, aerial photographs, and topographic maps for the Site and/or vicinity. Copies of historical sources are included as **Appendix 5** to this report.

A summary of the Site history from the above sources is presented below.

TABLE 4-2
SUMMARY OF SITE HISTORY

Period	Source	Description
1800s	Topographic Maps	In the 1896 and 1898 topographic maps the Site and adjoining properties are depicted as undeveloped land.
1900s	Topographic Map	In the 1901 topographic map the Site and adjoining properties are depicted as undeveloped land.
1920s	Aerial Photograph Topographic Map	In the 1928 aerial photograph the Site and adjoining properties to the north, south, and east appear to be undeveloped land. Residential properties are apparent to the west. In the 1928 topographic map the Site and adjoining properties are depicted as undeveloped land.
1930s	Aerial Photograph Topographic Map	In the 1934 aerial photograph the Site and adjoining properties to the north, south, and east appear to be undeveloped land. Residential properties are apparent to the west. In the 1934 topographic map the Site and adjoining properties to the north, south, and east are depicted as undeveloped land. Small square structures are depicted to the west.
1940s	Topographic Map	In the 1942 topographic map the Site and adjoining properties to the north, south, and east are depicted as undeveloped land. Small square structures are depicted to the west.

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TABLE 4-2 SUMMARY OF SITE HISTORY		
Period	**Source**	**Description**
1950s	Topographic Maps Aerial Photograph	In the 1950 and 1952 topographic maps the Site and adjoining properties to the north, south, and east are depicted as undeveloped land. Small square structures are depicted to the west. In the 1952 aerial photograph the Site and adjoining properties to the north, south, and east appear to be undeveloped land. Residential properties are apparent to the west.
1960s	Aerial Photographs Topographic Map	In the 1960 and1963 aerial photographs the Site and adjoining properties to the north, south, and east appear to be undeveloped land. Residential properties are apparent to the west. In the 1964 topographic map maps the Site and adjoining properties to the north, south, and east are depicted as undeveloped land. Small square structures are depicted to the west.
1970s	Aerial Photographs Topographic Map	In the 1972 aerial photograph the Site and adjoining properties appear generally as they are shown in the 1968 aerial photograph. In the 1975 aerial photograph the Site and adjoining properties to the north, south, and east appear to be graded land. Graded land and residential properties are apparent to the west. In the 1974 topographic map (actually an aerial photograph) the Site and adjoining properties appear as they did in the did in the 1975 aerial photograph.
1980s	Aerial Photographs Topographic Maps City Directories	In the 1980 and 1987 aerial photographs the current department store is apparent on the Site and surrounding properties are developed with the current Brea Mall, commercial buildings, and restaurants. The 1980 topographic map depicts the Site and surrounding properties are depicted generally in their current configuration. In the 1980 city directories Sears and various Sears store departments, All State Insurance, and Western ST Optical were listed at the Site. In the 1985 city directories Sears and various Sears store departments, All State Insurance, All State Savings & Loan, H&R Block, Coldwell Banker, Dean Witter Reynolds, North ORG OCC Store, Orange CO REGL OCCU, and Western State Optical were listed at the Site.
1990s	Aerial Photograph City Directories	In the 1995 aerial photographs, the Site and adjoining properties appear generally in their current configuration. In the 1990 city directories Sears and various Sears store departments, All State Insurance, H&R Block, and Western ST Optical were listed at the Site. In the 1995 city directory Sears and various Sears store departments, All State Insurance, H&R Block, Crystal Galleries, Miracle Ear, Tux Den, and Western STS Optical were listed at the Site.
2000s	Aerial Photographs City Directories	In the 2005 and 2009 aerial photographs, the Site and adjoining properties appears generally in their current configuration. In the 2000 city directories Sears and various Sears store departments, H&R Block, Crystal Memories, and Miracle Ear were listed at the Site. In the 2004 city directories Sears and various Sears store departments, Crystal Empress, Friar Tux Shop, H&R Block, Miracle Ear, J Tran OD, and Univance Telecommunication were listed at the Site
2010s	Aerial Photographs City Directories	In the 2010, 2012, 2014, and 2016 aerial photographs, the Site and adjoining properties appears generally in their current configuration.

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TABLE 4-2 SUMMARY OF SITE HISTORY		
Period	**Source**	**Description**
	Topographic Map	In the 2014 city directories Sears and various Sears store departments, Miracle Ear Hearing Aid Center, H&R Block, R. Asadi OD, J Garcia OD, and Crystal Glass were listed at the Site. In the 2016 city directories Sears, Sears Automotive Center, Sears Appliance Repair, Sears Home Fashion, Sears Hearing Aid Center, Sears Home Service, Sears Parts Repair, H&R Block, Crystal Empress, J Garcia OD, A Owyang OD, and Miracle Ear were listed at the Site. In the 2015 topographic map no structures are depicted on the Site or surrounding properties, only streets are depicted.

The Site was undeveloped land from the 1890s to the mid-1970s. The current shopping center that includes the Site was constructed between 1975 and 1980. Historic land use is not considered to be a REC to the Site.

Per ASTM E1527-13, review of standard historical sources at less than approximately five-year intervals is not required by this practice. If the specific use of the property appears unchanged over a period longer than five years, then it is not required to research the use during that period.

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5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

Apex representative, Mr. Ron Kofron, inspected the Site on January 18, 2018. Weather conditions at the time of the reconnaissance were sunny with a temperature of approximately 75 degrees Fahrenheit. The Site reconnaissance consisted of a walk-through of interior and exterior areas of the Site. Representative photographs are provided in **Appendix 2**.

5.2 Observations

The following is a summary of Site observations:

TABLE 5-1
SITE RECONNAISSANCE SUMMARY

Observation	Observed		Comments
	Yes	No	
Structures (existing)	X		One existing structure discussed in Section 2.3
Structures (evidence of former)		X	
Aboveground Storage Tanks (ASTs)	X		Waste oil, motor oil and used antifreeze stored in ASTs in automotive service center
Underground Storage Tanks (USTs)	X		The location of the former waste oil tank was noted
Drums or Other Containers	X		Motor oil, antifreeze, degreaser, brake fluid, used gasoline, paints, and floor cleaners
Leaks, Spills, or Releases Around ASTs, USTs, and/or Chemical Storage Areas		X	
Stained or Corroded Floors, Walls, or Drains		X	
Pipes of Unknown Origin or Use		X	
Hydraulic Lifts or Elevators	X		Six hydraulic hoists. One passenger elevator and one freight elevator.
Transformers	X		Two pad mounted transformers
Hazardous Waste Disposal Areas		X	
Uncontained Debris, Refuse, or Unidentified Waste Materials		X	
Standing Water or Other Liquids		X	
Floor Drains or Sumps	X		Floor drains in automotive service center
Catch Basins, Dry Wells, and Storm Water Drainage		X	

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TABLE 5-1 SITE RECONNAISSANCE SUMMARY			
Observation	**Observed**		**Comments**
	Yes	**No**	
Pits/Ponds/Lagoons		X	
Waste or Wastewater Discharges	X		Sanitary waste streams.
Oil/Water Separators	X		Four stage unit adjacent to automotive services center
On-Site Septic System		X	
Unusual Odors		X	
Stressed Vegetation/Stained Soil		X	
Fill Material		X	
Wells		X	
Other Observations		X	

Aboveground Storage Tanks

Five ASTs were observed in the automotive service center during the January Site reconnaissance and included the following:

- 500-gallon AST containing waste oil
- 400-gallon AST containing new oil
- 300-gallon AST containing new oil
- 200-gallon AST containing new oil
- 250-gallon AST containing waste antifreeze

The waste oil and new oil ASTs were noted to be double-walled and constructed of steel. The waste antifreeze AST was also double-walled and constructed of plastic. The ASTs were located on concrete pavement that appeared to be in good condition. No evidence of significant staining and/or releases was observed in the vicinity of the ASTs. During Apex's subsequent visit in April 2018, each of the ASTs had been removed.

Drums or Other Containers

During Apex's January Site reconnaissance antifreeze, waste absorbent, washer fluid, oil filters, transmission fluid, and waste aerosol cans were noted in 55-gallon drums. Waste brake fluid, waste gasoline, and grease were noted to be stored in 30-gallon drums. These drums were noted in the

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automotive service center. During Apex's subsequent Phase II Investigation conducted in April 2018 (presented under separate cover), the drums in the automotive service center had been removed, along with all other inventory.

Various containers (ranging from 1-quart to 5-gallons) of floor cleaner, stripper, and finisher were noted in the janitorial supply areas on each floor, 1-gallon and 5-gallon containers of paint, small containers (less than 1-gallon) of engine oil, 5-gallon containers of joint compound, 5-gallon containers of flooring adhesive, 1-quart containers of paint thinner, and a 1-gallon container of refrigeration oil were noted in the second floor maintenance room. Sixty and 30-gallon plastic drums used to store waste corrosives, flammables, and oxidizers as well as a 55-gallon drum used to store intact, used or damaged paint containers were noted in the second floor hazardous waste storage area. A 55-gallon drum formerly used to store waste-gasoline was observed in the former garden tool and lawnmower service shop. No evidence of staining or spills was noted in any of the storage areas.

Hydraulic Lifts or Elevators

Six in-ground hydraulic lift units and ten apparent former hydraulic lift locations units were noted in the automotive service center. In addition, eight above-ground hydraulic lift units/alignment racks were observed during the January Site reconnaissance within the automotive service center. The lifts were noted to have been physically removed during Apex's subsequent Phase II Investigation conducted in April 2018.

One passenger elevator is located on the southern portion of the building and a freight elevator is located on the north side of the building. The elevators were noted to be hydraulically operated and reported to be maintained by Schindler Elevators. No evidence of surface staining was noted in the vicinity of the hydraulic fluid reservoirs associated with the two elevators. Escalators were also noted in the central portion of the building. The escalators were reported to be electrically operated and track-driven and do not utilize hydraulic fluid.

Transformers

Two pad-mounted transformers were noted on exterior areas of the Site building. The transformers are owned and operated by Southern California Edison. No evidence of surface staining was noted in the vicinity of the transformers.

Floor Drains and Sumps

During the Site reconnaissance, Apex observed floor drains in the automotive service center. Floor

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drains in the automotive service center drain into the four-stage oil/water separator discussed below.

Oil/Water Separators

During the Site reconnaissance, Apex observed a four-stage oil/water separator outside of the automotive service center. The oil/water separator was reportedly used for the automotive center operations. The oil/water separator receives automotive waste fluid from on-site operations and discharges it to the municipal sewer system.

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6.0 INTERVIEWS AND REGULATORY AGENCY FILE REVIEWS

The following interviews and information requests were completed to obtain additional information regarding the Site and potential recognized environmental conditions.

Mr. Andrew Sargent completed the User questionnaire (**Appendix 3**) and was interviewed regarding the property and its basic features and operations. Mr. Sargent was unaware of any environmental liens or AULs associated with the Site. Mr. Sargent indicated that SPS Portfolio Holdings, LLC owns the Brea Mall and provided multiple environmental documents pertaining to the mall. These documents are discussed in Section 3.0. Mr. Sargent indicated that there are no known releases associated with the Site.

Mr. Jason Jimenez, the assistant General Manager was unaware of USTs, monitoring wells, subsurface investigations, or unauthorized releases associated with the Site. According to Mr. Jimenez, all hazardous waste within the retail store is properly stored in containers in the hazardous waste accumulation area until transported offsite by a commercial service.

Apex submitted a request for regulatory records to the Orange County Health Care Agency (OCHCA). The records are provided in **Appendix 6** and summarized below.

A California Environmental Reporting System (CERS) Business Owner Operator Form was dated April 14, 2017. According to information presented on the form, hazardous materials reported to be stored at the Site included new motor oil, used motor oil, used oil filters, new antifreeze, waste antifreeze, used batteries, waste absorbent materials, waste lead weights, floor degreaser, new transmission fluid, reclaimed refrigerant, waste propane, waste flammable liquids, waste corrosives, waste oxidizers, waste toxics, waste aerosols, floor stripper, and waste gasoline. No USTs were listed to be at the Site.

OCHCA Inspection Reports for the Site dated 2013 through 2017 were also provided. A violation was issued to the Site for having a leaking bottle of acid in an open plastic bag in 2014. The leaking bottle of acid was reportedly doubled bagged, sealed, and labeled later during the inspection. The remaining violations issued to the Site were generally administrative in nature, (i.e. storing light tubes more than one year, containers not being labeled, weekly hazardous waste reports not being filled out, and not maintaining manifests) and not related to spills or releases. The information presented in the OCHCA records does not represent a REC.

Per ASTM E1527-13, if the Site or any of the adjoining properties is identified on one or more of the standard environmental record sources in pertinent regulatory files and/or records associated with the listing should be reviewed in order to obtain sufficient information to assist in determining if a REC, CREC.

HREC, or a *de minimis* condition exists at the property in connection with the listing. If, in the environmental professional's opinion, such a review is not warranted, the justification for not conducting the regulatory file review must be provided. As an alternative, files/records from an alternative source(s) (for example, on-Site records, user provided records, records from local government agencies, interviews with regulatory officials or other individuals knowledgeable about the environmental conditions that resulted in the standard environmental record source listing, etc.) may be reviewed.

Based upon the available records, no further file review is recommended at this time.

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7.0 OPINIONS, CONCLUSIONS, AND DATA GAPS

Apex Companies, LLC has performed a Phase I ESA of the Sears at Brea Mall, 100 Brea Mall, Brea, California in general conformance with the scope and limitations of ASTM Practice E1527-13 and additional terms and conditions required by contract with SPS Portfolio Holdings, LLC.

Apex performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of the Sears at Brea Mall, 100 Brea Mall, Brea, California. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has revealed the following evidence of Recognized Environmental Condition in connection with the Site:

- Apex considers the operation of the automotive service center since the late 1970's to be a REC. The presence of hydraulic lifts, floor drains, and oil/water separator, and a former underground waste oil tank are possible sources of releases to the subsurface.

Vapor Migration

In general, EPA does not regulate indoor air quality except to the extent that indoor air impacts are caused by releases of hazardous substances into subsurface soil or groundwater (vapor intrusion). ASTM E1527-13 defines "migrate" and "migration" as referring to the movement of hazardous substances or petroleum products in any form, including solid and liquid at the surface or subsurface, and vapor in the subsurface. Vapor migration in the subsurface is described in Guide E2600 – Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transaction; however, nothing in ASTM E1527-13 should be construed to require application of the Guide E2600 standard to achieve compliance with all appropriate inquiries.

Subject to the above limitations, as part of Apex's evaluation of the property for the presence of RECs, the potential presence of hazardous substances or petroleum products in any form, including soil vapor, was evaluated. Based on all resources evaluated as part of this ESA, the potential for vapor migration is low.

Non-ASTM Considerations

No Non-ASTM considerations were encountered during the performance of this Phase I ESA.

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Data Gaps

The user questionnaire was not returned to Apex. This data gap is not considered to be significant.

The ASTM Standard requires that the report identify the following: 1) *obvious* uses of the Site since 1940 or first development, whichever is *earlier;* and 2) significant "data gaps" which affect the ability of the Environmental Professional to identify *recognized environmental conditions.* A data gap by itself is not inherently significant. The report is also to include information on the sources consulted to address the data gap.

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8.0 SIGNATURES AND EP STATEMENT

8.1 Statement of Responsible Environmental Professional

We declare that, to the best of our professional knowledge and belief, we meet the definition of an Environmental Professional as defined in § 312.10 part of 40 CFR 312. We have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the Site. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Ronald J. Kofron Environmental Professional Senior Reviewer	Dana Williams Environmental Professional Site Assessor

8.2 Qualifications of Environmental Professionals and Site Assessor

Qualifications for Apex personnel responsible for the completion of this report are as follows:

Mr. Dana E. Williams worked under the responsible charge of Mr. Ronald J. Kofron, the principal environmental professional responsible for completion of this Phase I ESA. Mr. Williams is an Environmental Professional with Apex Companies and has been performing environmental site assessment services for over twenty years. Mr. Williams has a Bachelor of Science Degree in Meteorology and Climatology.

Mr. Kofron is the Senior Program Manager in the San Diego office of Apex and has primary responsibility for managing all Phase I, Phase II site assessments and remediation projects. Mr. Kofron's experience ranges from comprehensive environmental due diligence on real estate transactions and development projects on more than 500 environmental investigations ranging from small spills to Superfund Remedial Investigations and Feasibility Studies and remediation of contaminated sites. Mr. Kofron has B.S. and M.S. Degrees in Geology and is a Professional Geologist and a Certified Engineering Geologist in the state of California. Mr. Kofron has 33 years of experience as a consultant, and is an environmental professional as defined in § 312.10 of 40 CFR Part 312.

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9.0 REFERENCES

Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E1527-13, November 6, 2013.

Tank Removal Letter Report, Sears Automotive 100 Brea Mall, Brea, California. Petroleum Industry Consultants, Inc., October 7, 1988

Hazardous Materials Business Plan Sears #1638/8358, 100 Brea Mall, Brea, California. Burns & McDonnel, February 11, 2008

Hazardous Materials Business Plan Sears #1638/8358, 100 Brea Mall, Brea, California. Burns & McDonnel, February 12, 2009

Phase I Environmental Site Assessment Sears Store #1638/6558, 100 Brea Mall, Brea, California. Terracon, October 27, 2014

Phase II Environmental Site Assessment Sears Store #1638/6558, 100 Brea Mall, Brea, California. Terracon, April 17, 2015

Phase I Environmental Site Assessment Sears Store #1638 & Sears Auto Center# 6558, 100 Brea Mall, Brea, California. Terracon, May 6, 2015

DATABASE REPORT:
ERIS Database Report (January 4, 2018; Order #2018010).

HISTORICAL TOPOGRAPHIC MAPS:
USGS Quadrangle La Habra (1906, 1953, 1961, 1968, 1980, and 2015)

HISTORICAL AERIAL PHOTOGRAPHS: 1928, 1934, 1952, 1960, 1963, 1972, 1975, 1980, 1987, 1995, 2005, 2009, 2010, 2012, 2014, and 2016

PHYSICAL SETTING SOURCE:
United States Geological Survey (USGS) Topographic Map, La Habra, CA 7.5 Minute Series, dated 2015

FEMA Flood Zone Plain Panel 06001C03

National Wetland Inventory Brea

California State Water Resources Control Board GEOTRACKER website
http://geotracker.waterboards.ca.gov

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10.0 TERMINOLOGY

The following provides definitions and descriptions of certain terms that may be used in this report. Italics indicate terms that are defined by ASTM Standard Practice E1527-13. The Standard Practice should be referenced for further detail (such as the precise wording), related definitions or additional explanation regarding the meaning of terms.

Recognized Environmental Condition (REC) - The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that indicate pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions.

De minimis condition – A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are not *recognized environmental conditions or controlled recognized environmental conditions*.

Controlled Recognized Environmental Condition - A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). For example, if a leaking underground storage tank has been cleaned up to a commercial use standard, but does not meet unrestricted residential cleanup criteria, this would be considered a controlled recognized environmental condition. The "control" is represented by the restriction that the property remains commercial. A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report. NOTE: A condition identified as a controlled recognized environmental condition does not imply that the environmental professional has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control that has been, or is intended to be, implemented.

Historical Recognized Environmental Condition (HREC) - A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the

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satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.

Material Threat – A physically observable or *obvious* threat which is reasonably likely to lead to a release that, in the opinion of the *environmental professional*, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a *hazardous substance* and which shows evidence of damage such that it may cause or contribute to tank integrity failure with a release of contents to the environment.

Migrate/migration - Refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface.

Data Gap - A lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to Site reconnaissance (for example, an inability to conduct the Site reconnaissance), and interviews (for example, an inability to interview the key Site manager, regulatory officials, etc.). The report shall identify and comment on significant data gaps that affect the ability of the EP to identify recognized environmental conditions and identify the sources of information that were consulted to address the data gaps. A data gap by itself is not inherently significant.

Business Environmental Risk - A risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations, some of which are identified in Section 13 of ASTM E1527-13 and include, but are not limited to, Asbestos-Containing Building Materials; Biological agents; Cultural and historic resources; Ecological resources; Endangered species; Health and safety; Indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment; Industrial hygiene; Lead-Based Paint; Lead in Drinking Water; Mold; Radon; Regulatory compliance; and Wetlands.

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APPENDIX 1

Figures

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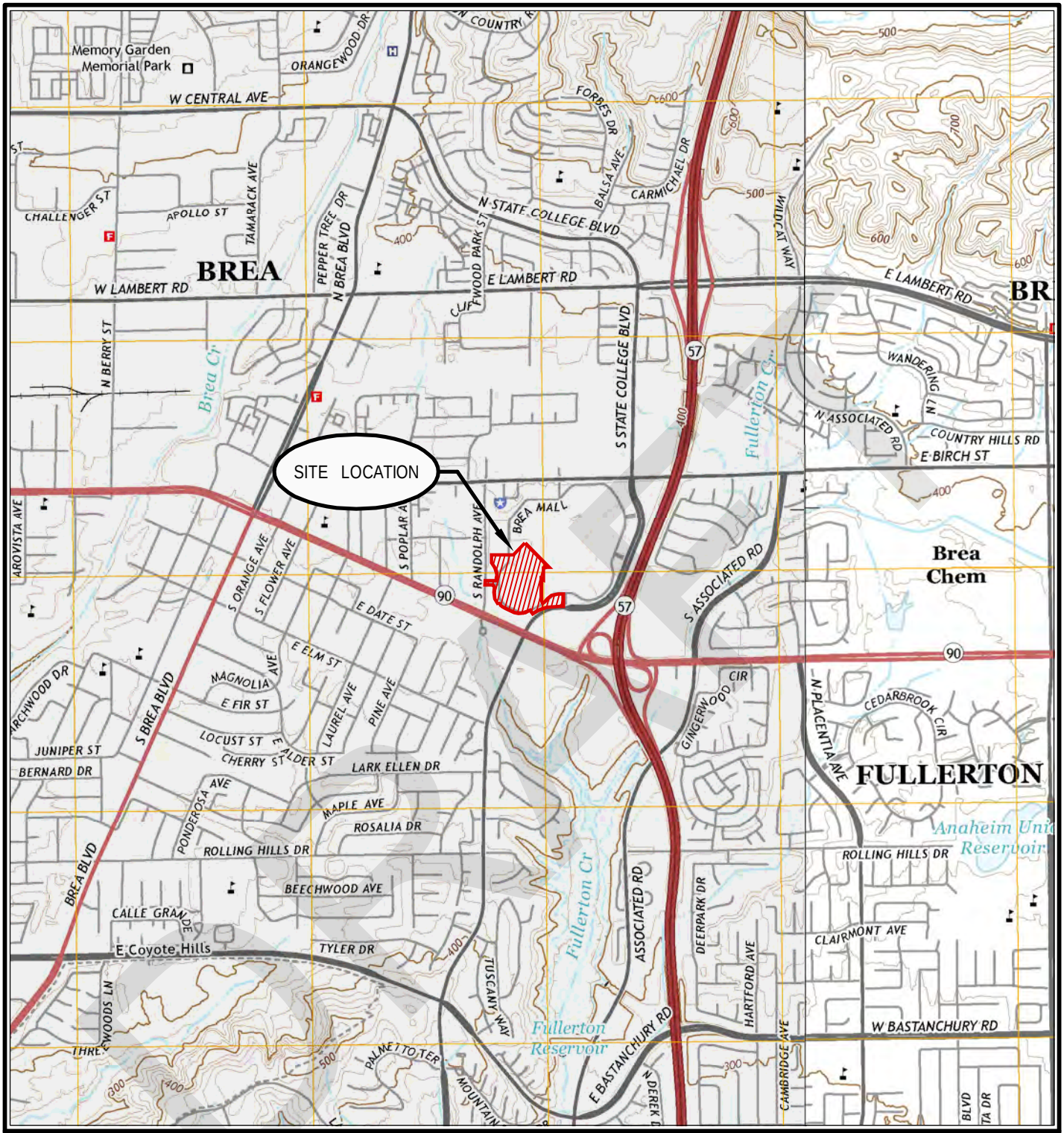

QUADRANGLE LOCATION

Scale 1:24000

0 1/2 1 MILE

1000 0 1000 2000 3000 FEET

(SOURCE OF MAP IS USGS 7.5 MINUTE QUADRANGLE MAP, LA HABRA (2015), CALIFORNIA)

CHECK BY	DW
DRAWN BY	OS
DATE	3-12-18
SCALE	AS SHOWN
CAD NO.	SIMON1801.01c
PRJ NO.	SIMON1801.003

SITE LOCATION MAP

SEARS ~~REDEVELOPMENT PROJECT~~
BREA MALL
100 BREA MALL
BREA, CALIFORNIA 92821

APEX

FIGURE 1

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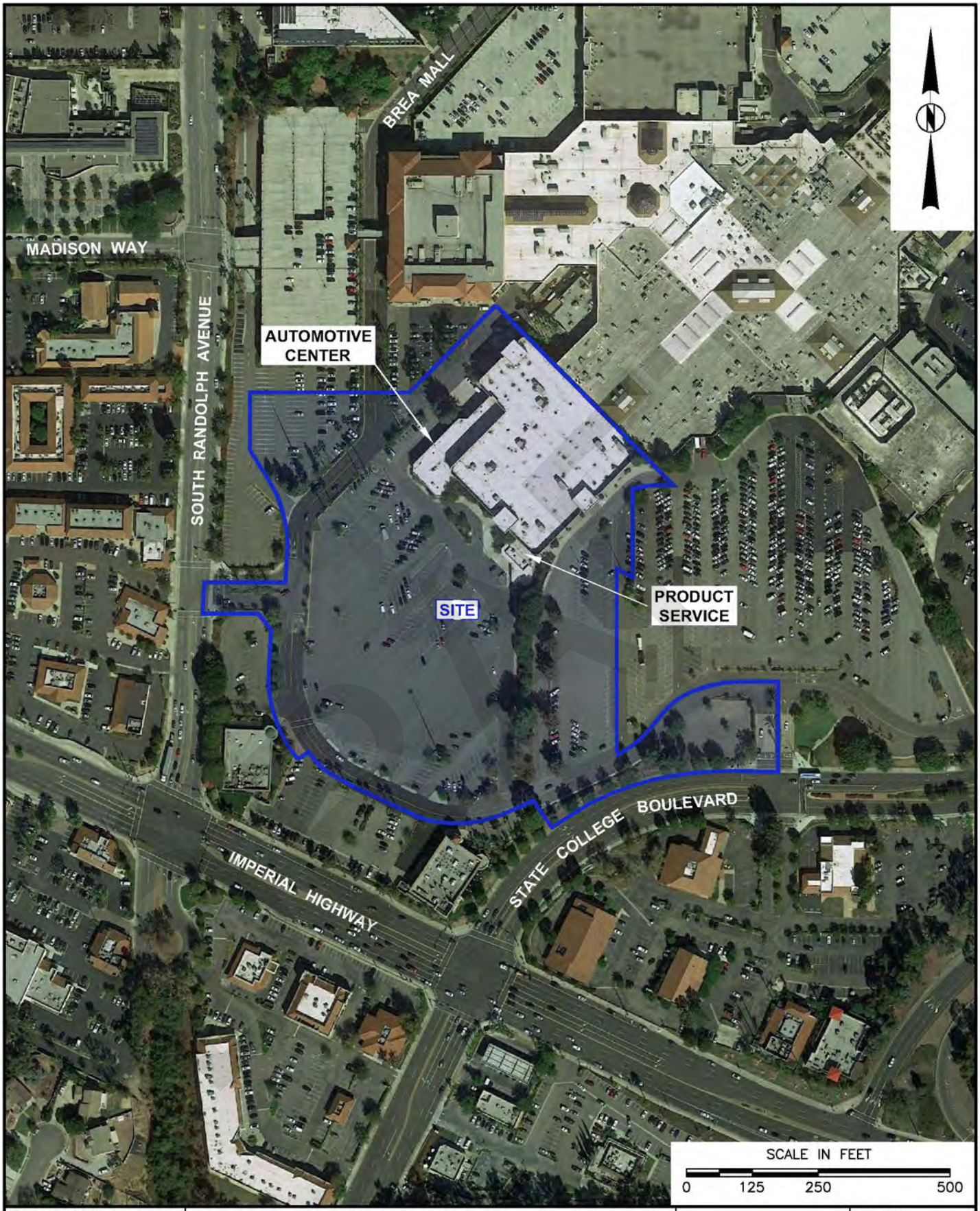

CHECK BY	DW
DRAWN BY	OS
DATE	3-12-18
SCALE	AS SHOWN
CAD NO.	SIMON1801.01A[2]
PRJ NO.	SIMON1801.001

SITE LOCATION MAP

SEARS ~~REDEVELOPMENT PROJECT~~
BREA MALL
100 BREA MALL
BREA, CALIFORNIA 92821

APEX

FIGURE
2

APPENDIX 2

Representative Site Photographs

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Photograph 1: Southern entrance (upper level) to Sears.	
Photograph 2: Cardboard bin, trash compactor, and trench drain located at southeast corner of Sears.	
Photograph 3: Southwest (first floor) entrance to Sears, auto center to the left.	

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Photograph 4: Southwest (first floor) entrance to Sears. Parts department and former motorized garden tool service center at right edge of frame.	
Photograph 5: Auto Center, looking south toward service bays. Clarifier in center foreground; former underground waste oil tank to the right.	
Photograph 6: Auto service center and refuse bins.	

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Photograph 7: Pad-mounted transformer between auto center and truck docks.	
Photograph 8: Truck docks. Cardboard bale container.	
Photograph 9: Truck docks,	

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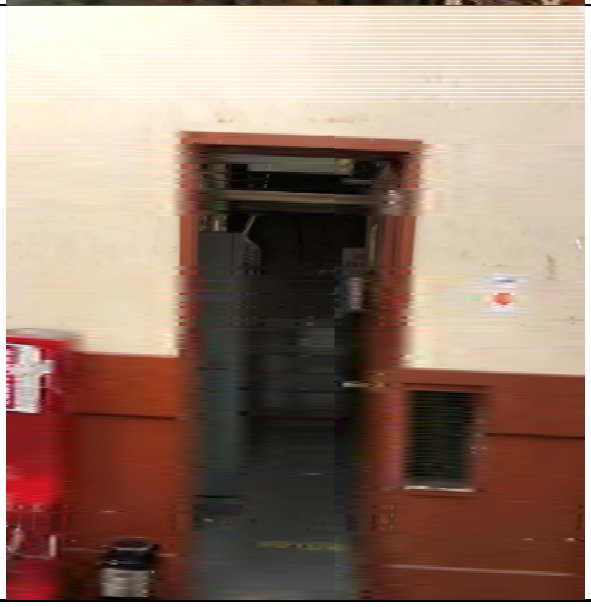
Photograph 10: North entrance (first floor) to Sears.	
Photograph 11: Electrical room, first floor stock room.	
Photograph 12: Electrical room, first floor stock room	

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Photograph 13: Cardboard baling machine	
Photograph 14: Main electrical room, first floor stock room.	
Photograph 15: Roof, looking east.	

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Photograph 16: Gas-fired emergency generator on roof	
Photograph 17: One of three storage rooms on roof.	
Photograph 18: Second floor stock room.	

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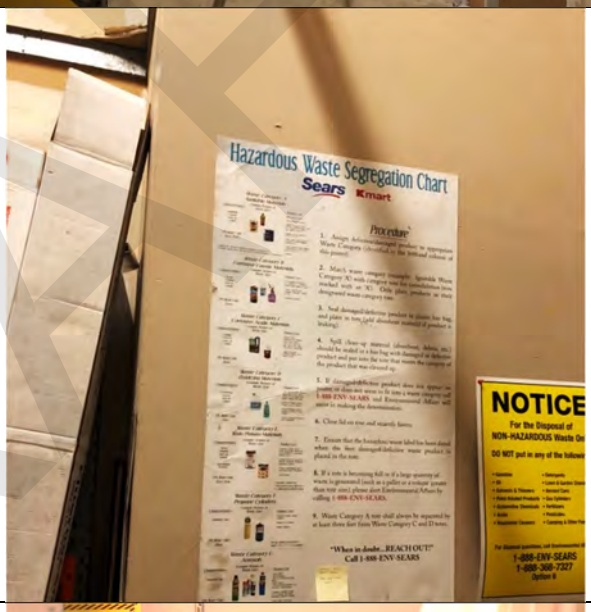
Photograph 19: Hazardous waste (damaged and returned products) storage area, second floor.	
Photograph 20: Hazardous waste segregation guide for store personnel	
Photograph 21: Paint storage - damaged, leaking and returned stock. Containers are placed inside the drum for disposal.	

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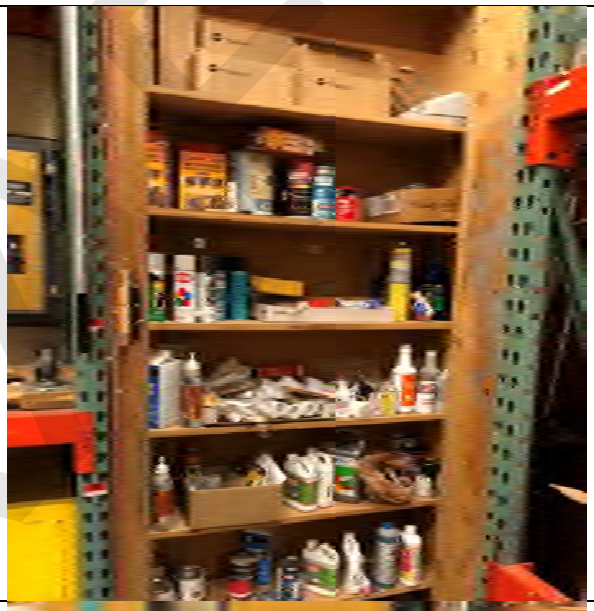
Photograph 22: Electronic waste storage area.	
Photograph 23: Hazardous materials storage – small quantities of lubricants, paints, glues, adhesives, paints and gases – used for onsite maintenance.	
Photograph 24: Small quantities of flammables – motor oil and gasoline	

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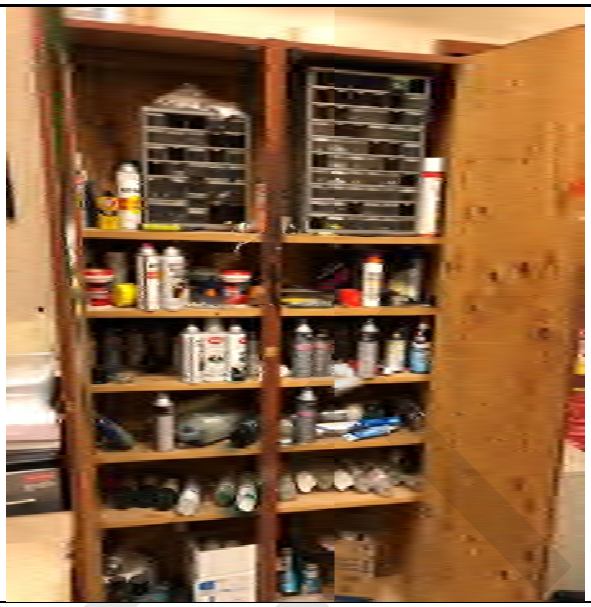
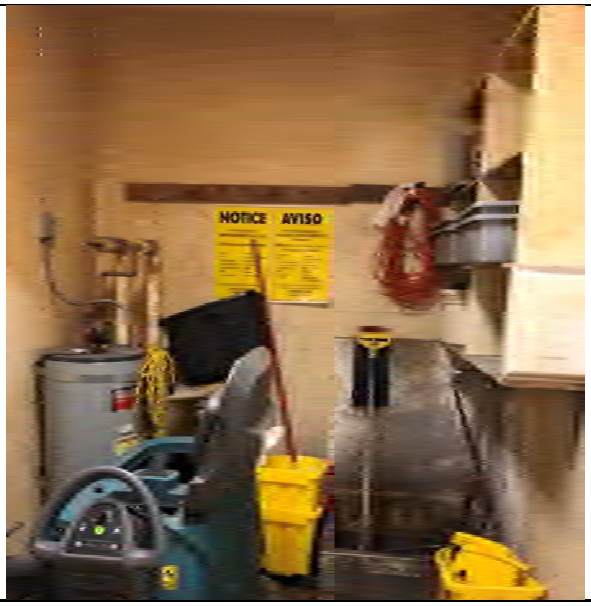
Photograph 25: Hazardous materials storage – small quantities of lubricants, paints, glues, adhesives, paints and gases – used for onsite maintenance.	
Photograph 26: Second floor retail sales floor	
Photograph 27: Housekeeping closet, second floor.	

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Photograph 28: Conference room, second floor.	
Photograph 29: Electrical and communications room, second floor	
Photograph 30: Retail sales floor, second floor.	

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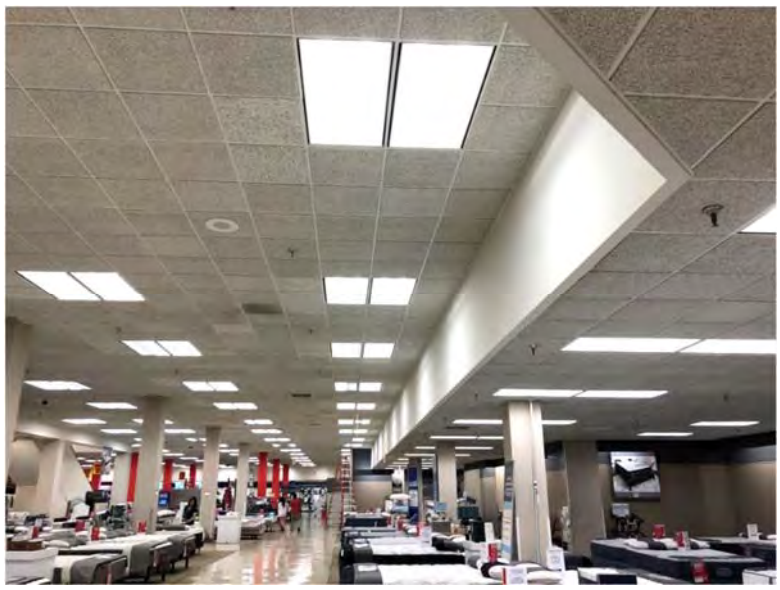
Photograph 31: Retail sales floor, second floor.	
Photograph 32: Shipping and receiving. Truck bays doors in background.	
Photograph 33: Retail sales floor, first floor	

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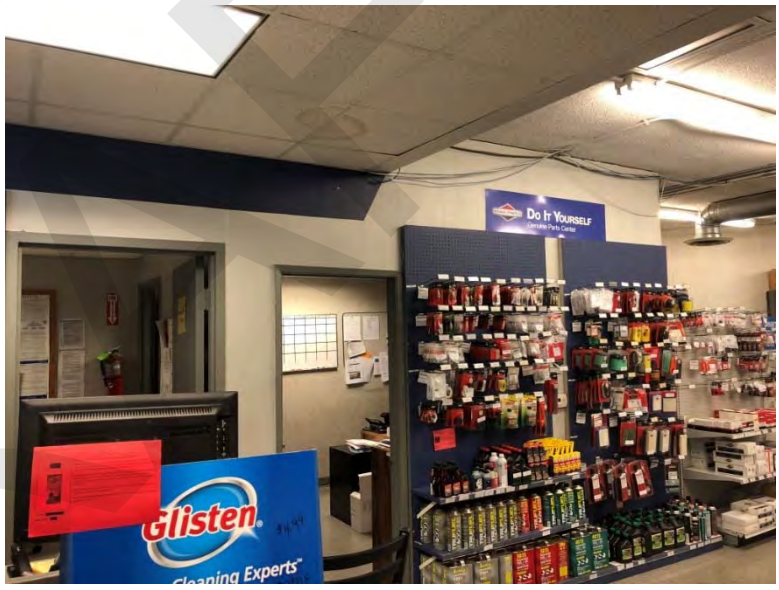
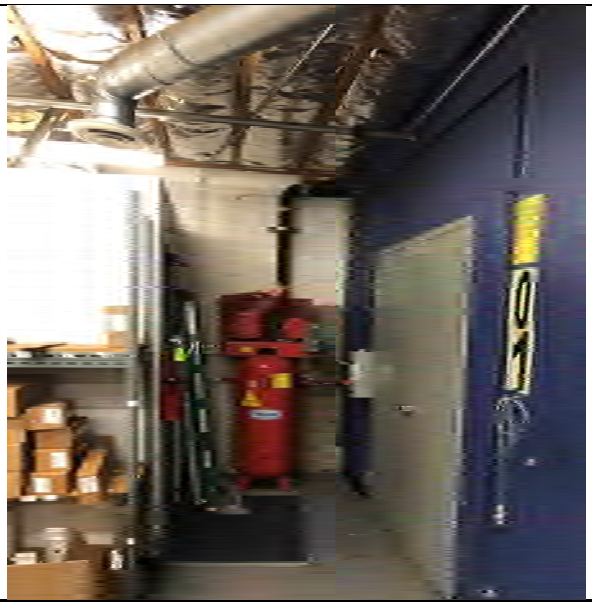
Photograph 34: Retail sales floor, first floor	
Photograph 35: Parts department	
Photograph 36: Parts department and former mower and motorized garden tool service area. Restroom on left, entrance to former service area on right.	

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Photograph 37: Former mower and motorized garden tool service area. Fuel handling and storage equipment in closet at right.	
Photograph 38: Gasoline recovery and storage in mower and motorized garden tool service. The drum and dispenser were empty. Former floor drain or sump below drums is covered with plywood glued into frame.	
Photograph 39: Battery storage in storage room. All new inventory - no used batteries were observed.	

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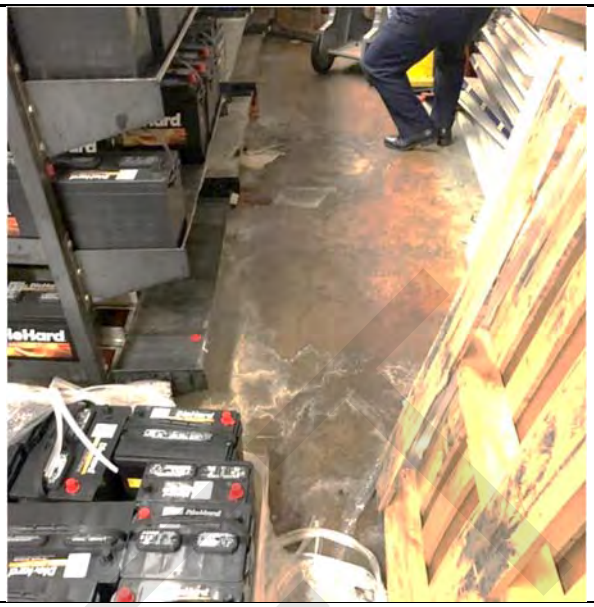
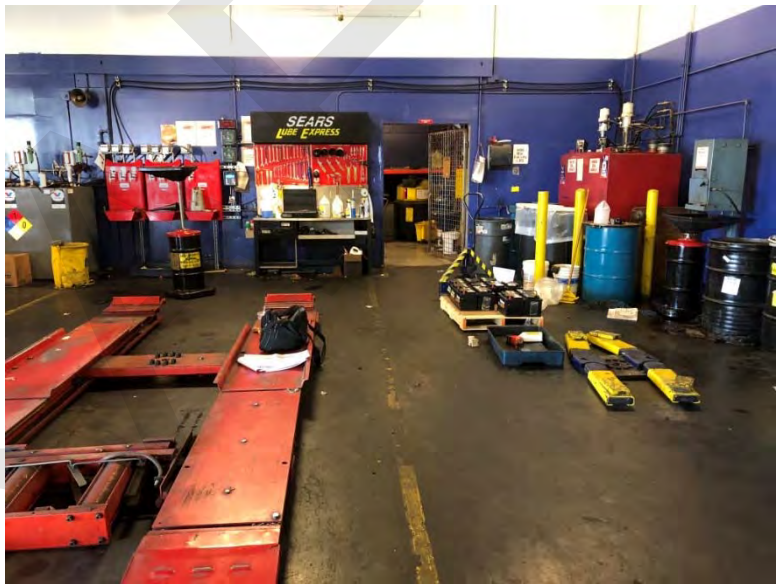
Photograph 40: Battery storage in storage room.	
Photograph 41: Auto center new oil storage and dispensing, left and right. Storage room right of center.	
Photograph 42: New oil storage and dispensing, auto center	

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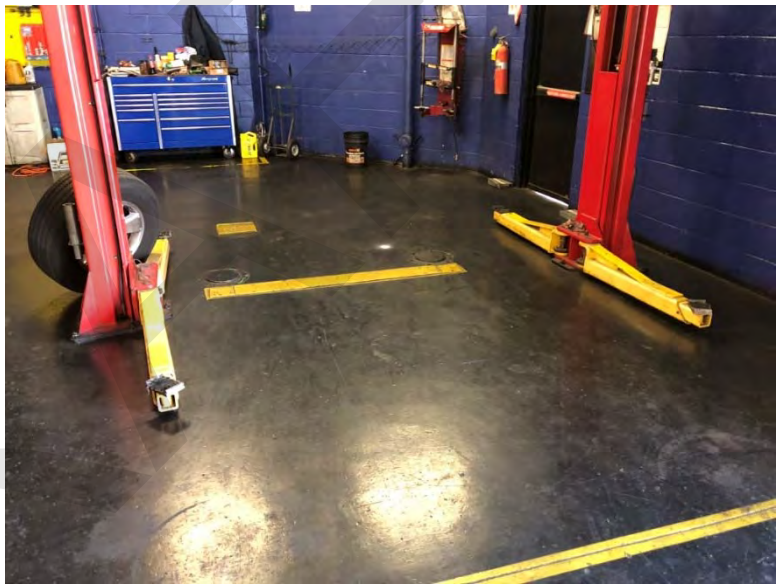
Photograph 43: Used oil storage, auto center	
Photograph 44: Former double piston in-ground lift replaced with above-ground lift.	
Photograph 45: Clarifier and former waste oil tank (left) adjacent to north side of auto center.	

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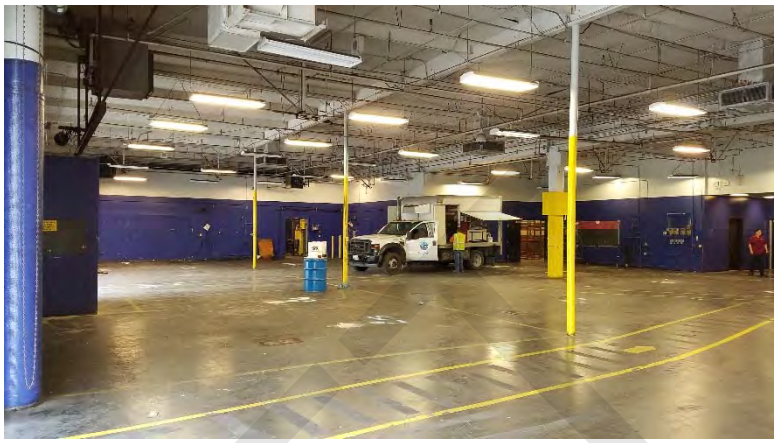
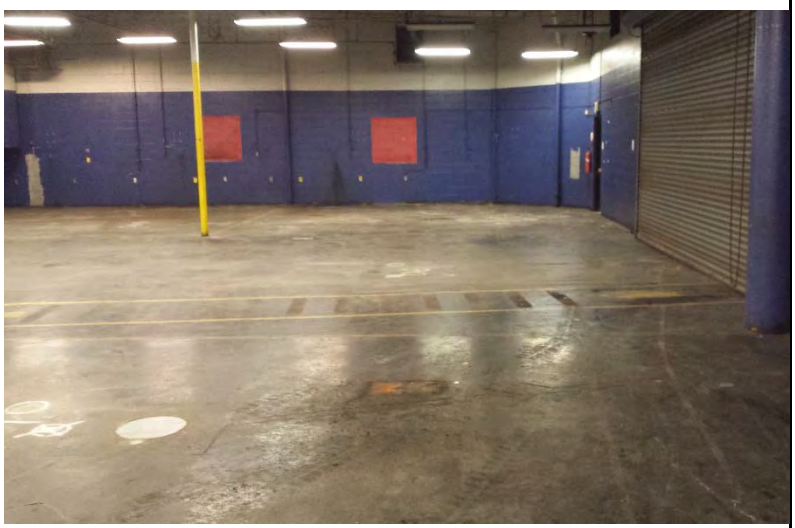
Photograph 46: Sears Auto Center, April 18, 2018 after store closure. View from bay door to storage rooms	
Photograph 47: Sears Auto Center, April 18, 2018 after store closure. View from bay door to former sales area.	
Photograph 48: Sears Auto Center, April 18, 2018 after store closure. View across shop to former lifts.	

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APPENDIX 3

User-Provided Information

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ASTM E1527-13 USER QUESTIONNAIRE

Site Name: Sears Brea Mall

Site Address: 100 Brea Mall Dr, Brea, CA 92821

Respondent Name: A. Sargent

Respondent Title/Company: SPS Portfolio Holdings, LLC

Date: 5/1/18

For Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments", 40 CFR Part 312), the user **must** provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete, and the environmental professional may identify a “data gap” which could impact the Phase I ESA report findings.

Question:	Yes	No
1. Environmental Liens Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law? Check the box below as appropriate. ☐ The scope of work for this Phase I Environmental Site Assessment (ESA) includes a search of recorded environmental liens as an added-scope item (in accordance with ASTM E1527-13 Section 6.2).		NO
2. Activity and Land Use Limitations (AULs) Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law? Check the box below as appropriate. ☐ The scope of work for this Phase I ESA includes a search of recorded AULs as an added-scope item (in accordance with ASTM E1527-13 Section 6.2).		NO
3. Specialized Knowledge or Experience Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	YES	
4. Purchase Price vs. Fair Market Value Does the purchase price being paid for this property reflect any adjustments from the fair market value of the property? (If you conclude that the value is lower than the fair market price, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?)		NO

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5. Commonly Known or Reasonably Ascertainable Information Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?		
5a. Do you know the past uses of the property?	Y	
5b. Do you know of specific chemicals that are present or were once were present at the property?	Y	
5c. Do you know of spills or other chemical releases that have taken place at the property?		N
5d. Do you know of any environmental cleanups that have taken place at the property?		N
6. Obviousness of the Presence or Likely Presence of Contamination Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?	Y	

PLEASE PROVIDE EXPLANATION FOR ALL "YES" ANSWERS, OR ATTACH SUPPORTING DOCUMENTS.

5a. The Site was used for agriculture from the 1930s to the 1970s. The current building was reportedly constructed in approximately 1977.

5b. Floor degreasers, helium, petroluem based parts washing solvent, used shop rags, virgin motor oil, used motor oil, waste gasoline, used antifreeze, used oil filters, used lead batteries, refrigerant R-134A, waste aerosols, waste corrosives, waste oxidizers, waste propane, used lead weights, and used brake fluid.

6. The Site had an automotive service center with floor drains hydraulic lifts, a waste oil tank and an oil/water separator. The waste oil tank was removed in 1988.

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Brea
#1638

PETROLEUM INDUSTRY CONSULTANTS, INC.
7261 MARS DRIVE, HUNTINGTON BEACH, CA 92647
714-842-6331 FAX: 714-842-6537

October 7, 1988

Mr. Brad Forslund
Orange County Environmental Health Department
P.O. Box 355
Santa Ana, California 92702

Dear Mr. Forslund:

Attached are data pertinent to tank removal operations at Sears Automotive, 100 Brea Mall, Brea, California on September 30, 1988. As you recall, one 550 gallon waste oil tank was excavated and removed under Orange County permit #88-503. Upon approval of the Lower Explosion Level measurement, the onsite fire inspector supervised tank removal. No brass tags were recovered for background data of the tank.

Under your supervision, PIC environmental geologist, Randall Ferguson, recovered one sample from under the tank (P1) and one sample from the excavated spoils (SP1). Both soil samples were collected in glass jars and sealed with teflon lined lids and County of Orange evidence tape. The sample jars were placed on ice and transported the same day to Enseco-CRL in Garden Grove for quantitative testing via EPA method 418.1 (see attached Chain of Custody).

Sample P1 measured nondetectable concentrations of total petroleum hydrocarbons (TPH) and sample SP1 exhibited a TPH concentration of 27 ppm. These laboratory results indicate no significant historic leakage of stored product form the tank.

If there are any questions or problems regarding the above, do not hesitate to call us at 714/842-6331.

Respectfully submitted,

J. Tim Hersch
California Registered Geologist #4082
General Manager

REGISTERED GEOLOGIST
J. TIM HERSCH
#4082
STATE OF CALIFORNIA

RHF/lr
attachments

xc: Mr. Dick Warfield - Sears, Roebuck and Company
Hanks Service Station Maintenance - Charlie Mellon

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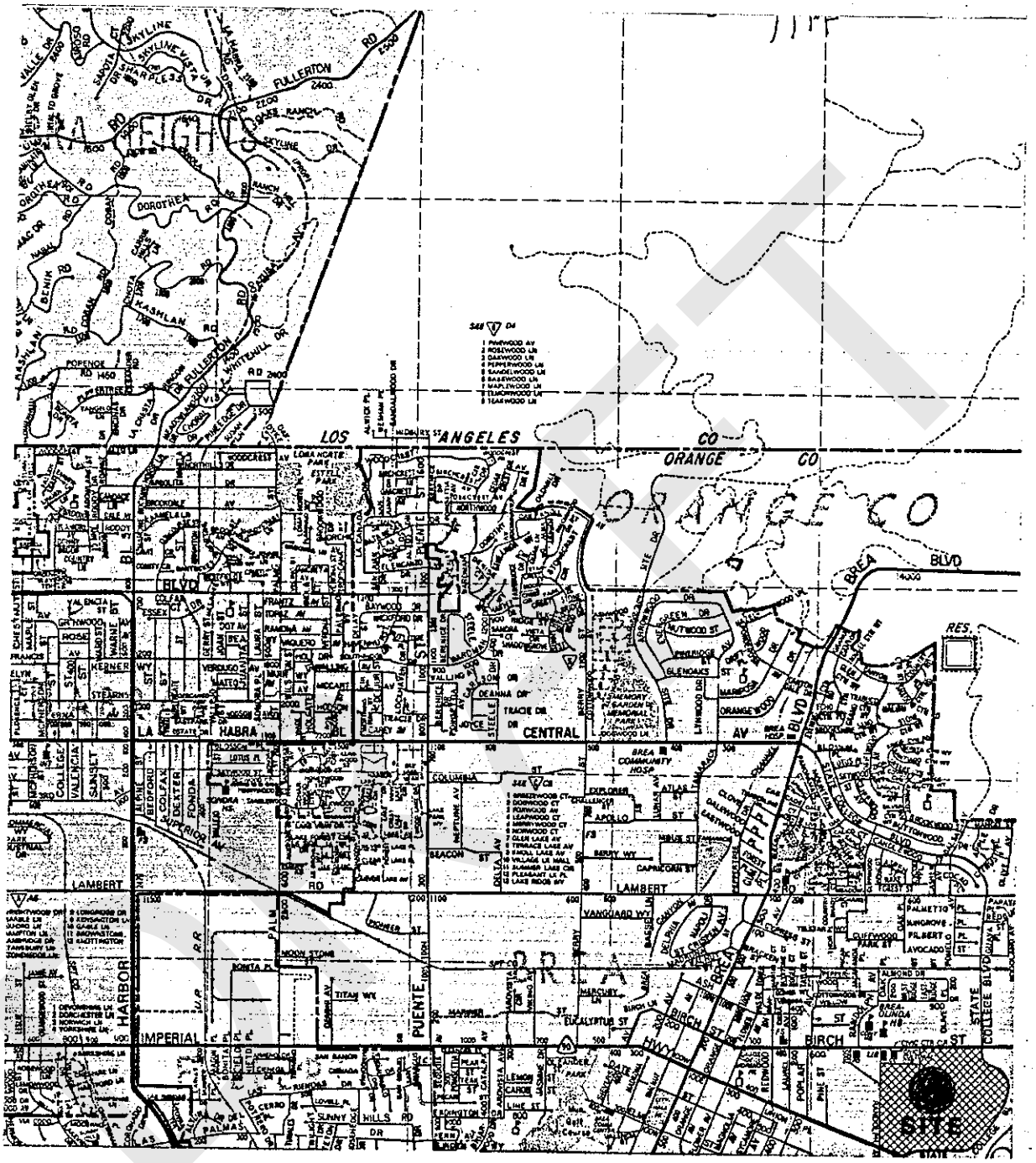
Figure 1:

Site Location Map



PETROLEUM INDUSTRY CONSULTANTS, INC.
HUNTINGTON BEACH, CA 92647

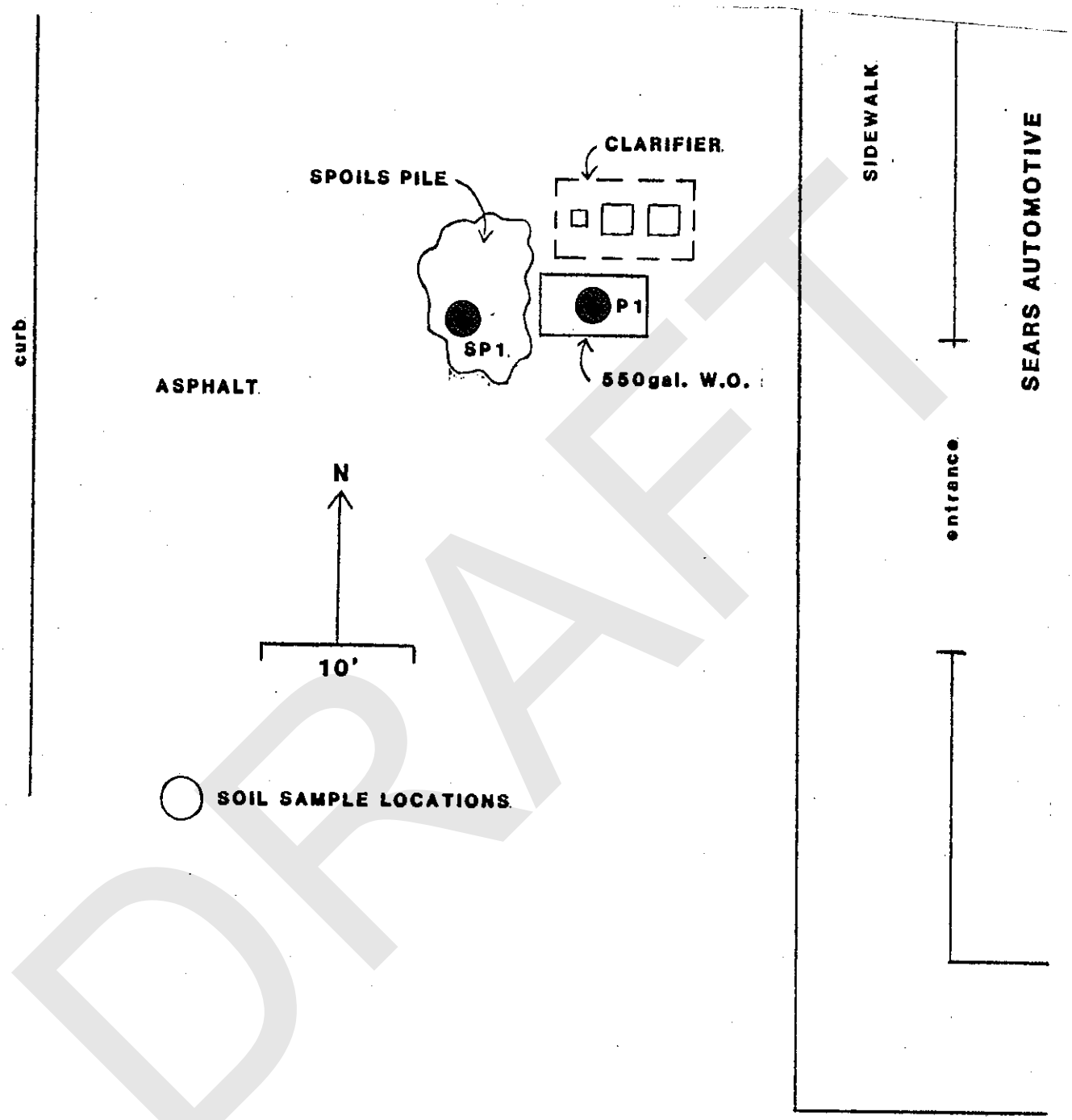
SEARS AUTOMOTIVE

100 Brea Mall

Brea, California

DRAFTED BY	DATE	SCALE	GEOLOGICAL NUMBER
RF	10/88	1"=½mi.	E1107
REVISED BY			

Figure 2:
Site Sketch Map



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PETROLEUM INDUSTRY CONSULTANTS, INC. HUNTINGTON BEACH, CA 92647			
SEARS AUTOMOTIVE 100 Brea Mall Brea, California			
DRAFTED BY: RF REVISED BY:	DATE: 10/88	SCALE:	GEOLOGICAL NUMBER: E1107

COUNTY OF ORANGE/HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH (714) 834-8020
1725 WEST 17TH STREET, P.O. BOX 355
SANTA ANA, CA 92702
WASTE MANAGEMENT SECTION

Bill to PIC

CHAIN OF CUSTODY

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

#E1107

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: 827411-0015/0025
DATE RECEIVED: 9/30/88
SAMPLE(S) CONDITION (PLEASE CHECK):
CHILLED: ✓ COUNTY SEAL(S) INTACT: ✓
CONTAINER IN GOOD CONDITION: ✓
DATE ANALYSIS COMPLETED:
ANALYST:

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SAMPLE LOCATION: SEARS
100 BKA Mall
BKA
DATE OF COLLECTION: 9/30/88
SAMPLE COLLECTOR: FORSLUND
TELEPHONE NO.: (714) 834-8158
CONTACT: CHARLIE MILLER (213) 221-5141

6. SAMPLE INFORMATION

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS
B-1	418.1	IF TPH IS >100 ppm THEN ALSO RUN
SP-1	418.1	EPA METHOD 8015.
		SOIL: TAN MED SAND w/ GRAVEL;
		WELL CONTRP.
		PLAN CHECK 88-503

7. CHAIN OF CUSTODY

	SIGNATURE	TITLE	INCLUSIVE DATES
1.	Brad Forslund	HAZARDOUS WASTE SPEC.	9/30/81 - 9/30/10
2.	Randall Troyer	PIC Geologist	9/30/88 - 9/30/88
3.	Ryan Yamamoto	SAMPLE CONTROL TECH	9/30/88 - 9/30/88
4.			-
5.			-
6.			-

F272-9.1531 WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, OFFICE COPY

DRAFT

CRL Environmental - South Coast
7440 Lincoln Way ● Garden Grove, CA 92641
(213) 598-0458 ● (714) 898-6370 ● (800) LAB-1-CRL
FAX: (714) 891-5917

October 12, 1988

PETROLEUM INDUSTRY CONSULTANTS
7261 Mars Drive
Huntington Beach, CA 92647
ATTN: Mr. Tim Hersch

ANALYSIS NO.: 827411-001/002
ANALYSES: EPA Method 418.1
DATE SAMPLED: 09/30/88
DATE SAMPLE REC'D: 09/30/88
PROJECT: E1107 Sears
100 Brea Mall, Brea

Enclosed with this letter is the report on the chemical and physical analyses on the samples from ANALYSIS NO: 827411-001/002 shown above.

The samples were received by CRL in a chilled state, intact, and with the chain-of-custody record attached. Sample seals were intact.

Verbals were given October 7, 1988 at 2:50 P.M. to Mr. Randall Ferguson.

Please note that ND( ) means not detected at the detection limit expressed within the parentheses.

DRAFT

REVIEWED

APPROVED

The Report Cover Letter is an integral part of this report.
This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

CRL Environmental - South Coast
7440 Lincoln Way ● Garden Grove, CA 92641
(213) 598-0458 ● (714) 898-6370 ● (800) LAB-1-CRL
FAX: (714) 891-5917

LABORATORY REPORT

PETROLEUM INDUSTRY CONSULTANTS
7261 Mars Drive
Huntington Beach, CA 92647
ATTN: Mr. Tim Hersch

ANALYSIS NO.: 827411-001/002
ANALYSES: EPA Method 418.1
DATE SAMPLED: 09/30/88
DATE SAMPLE REC'D: 09/30/88
DATE ANALYZED: 10/07/88
SAMPLE TYPE: Solid
PROJECT: E1107 Sears
100 Brea Mall, Brea

SAMPLE IDENTIFICATION	TOTAL RECOVERABLE PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/kg)
P1	ND(5.)
SP1	27.

DRAFT

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This report pertains only to the samples investigated and does not necessarily apply to identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this for advertising or publicity purposes without authorization is prohibited.

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD980812801 — Manifest Document No. 00512

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
Seagate Technology
Scotts Co.

A. State Manifest Document Number 87273222

4. Generator's Phone (714) 970-6020

B. State Generator's ID

5. Transporter 1 Company Name: Aaron Environmental

6. US EPA ID Number: CAD981730168

C. State Transporter's ID 20616

D. Transporter's Phone 213 538-0440

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Chemical Waste Management
2300 N. Alameda
Compton Ca. 90222

10. US EPA ID Number: CAT080010352

G. State Facility's ID

H. Facility's Phone 213 537-7100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Corrosive Liquid, n.o.s. (Sulfuric Acid)	01	TT	3000	G	State 22 EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. 01 b.
c. d.

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name — Signature — Month Day Year: 10 13 2088

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year: 10 13 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

YELLOW: GENERATOR RETAINS

INSTRUCTIONS ON THE BACK

DRAFT

AMERICAN FUEL TANK METAL RECYCLING, INC.

2202 South Milliken Avenue
Ontario, CA 91761
(714) 947-2888

No. 28526

TANK DISPOSAL FORM

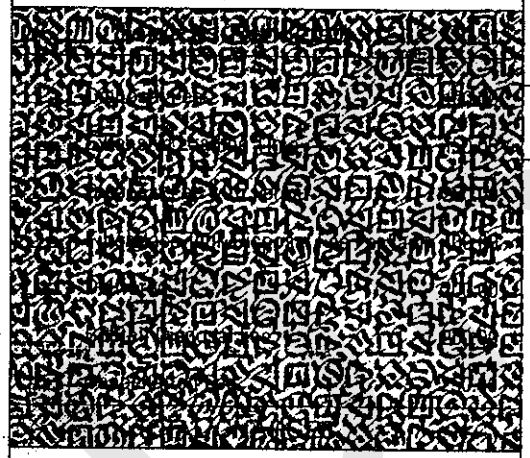
Date: 9-30 ,19 85
Job #
P. O. #

CONTRACTOR: Jerry's Backhoe Service
ADDRESS: 1624 S. Hillcrest Dr. Anaheim, CA 90723
JOB SITE: Sears
ADDRESS: 100 Brea Mall Brea CA
DESTINATION: A.M.R. 2202 S. Milliken Ave., Ontario, CA 91761

DATE	TIME	PROJECTED TANKS	ORDERED BY:	LIC. NO.

SPECIAL INSTRUCTIONS: _____

TIME IN:
TIME OUT:



All fees incurred are per load unless specified. Terms are net 30 days from date of invoice. Contractor's signature represents acceptance of terms for payment, and confirms that tank removal complies with State laws.

CONTRACTOR'S SIGNATURE

TANKS RECEIVED

QTY.	GALLONS	TYPE F* S*	NET TONS	TOTAL
	280	☐ ☐	.14	
	500	☐ ☐	.21	
1	550	☐ ☐	.24	.24
	1000 - 12 ft.	☐ ☐	.44	
	1000 - 6 ft.	☐ ☐	.61	
	1500	☐ ☐	.87	
	2000	☐ ☐	.97	
	2500	☐ ☐	1.14	
	3000	☐ ☐	1.32	
	4000	☐ ☐	1.64	
	5000	☐ ☐	2.42	
	6000	☐ ☐	2.84	
	7500	☐ ☐	3.26	
	8000	☐ ☐	3.44	
	9000	☐ ☐	3.82	
	10000	☐ ☐	4.33	
	12000	☐ ☐	4.93	

NO. OF TANKS	TOTAL	NET TONS
1		.24

*F — FIBERGLASS *S — STEEL 105

CERTIFICATE OF TANK DISPOSAL / DESTRUCTION

THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE TANK(S) AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY DESTROYED FOR SCRAP PURPOSES ONLY.

* AUTHORIZED REP.

9-30-85
DATE

GENERATOR COPY

DRAFT

February 11, 2008

Sears Roebuck and Co.
Mr. Michael B. Olsen
B5-339A
3333 Beverly Road
Hoffman Estates IL 60179

Hazardous Materials Business Plan
Sears #1638/6458/8358 – Brea, CA
100 Brea Mall Way

Dear Mr. Olsen:

Enclosed are the annual certification and the updated Hazardous Materials Business Plan forms for the above Sears facility. Please sign where indicated then forward them as soon as possible to the following address:

ATTN: Karen McCabney
Orange County Environmental Health
1241 E. Dyer Rd., Suite 120
Santa Ana, CA 92705

A copy of the plan must also be forwarded to the facility to be maintained on site and available for inspection at all times.

If you have any questions regarding this form, please contact me at (630) 724-3256.

Sincerely,

Rebecca Bourn
Rebecca Bourn

Enclosures

DRAFT

1431 Opus, Suite 400
Downers Grove, Illinois 60515
Tel: 630 724-3200
Fax: 630 724-3201
www.burnsmcd.com

Orange County Fire Authority Hazardous Materials Section

Hazardous Materials Inventory Annual Certification Form

Dear Business Owner:

Chapter 6.95 of the California Health and Safety Code requires your Hazardous Materials Inventory and Business Emergency Plan (BEP) to be reviewed and updated annually. If the information in your most recently submitted annual Inventory and BEP forms has not changed, or has undergone only minor changes, this completed certification form meets California requirements as specified in the Health and Safety Code, Chapter 6.95, Section 25503.3.

CHECK THE APPROPRIATE BOX AND SIGN THE FORM BELOW

Annual Hazardous Material Inventory Review and/or Update

- o The information contained in the hazardous materials inventory most recently submitted to OCFA/HMS is complete, accurate, and up to date. There has been no significant change in the quantities of hazardous materials, as reported in the most recently submitted inventory, and no hazardous materials subject to reporting are being handled that are not listed on the most recently submitted inventory.
  - □ If you need to change ONLY the Emergency contact names and/or telephone numbers, please attach the completed Page 4.

- Ø The inventory as previously reported to OCFA/HMS has changed. **Attached is a complete set of inventory forms for all hazardous materials present at the facility.** These forms detail all the changes in inventory including new materials, materials that have been deleted, and changes to amounts of materials in the facility.

Triennial (3-year) Business Emergency Plan Review and Certification

- o I certify that the Business Emergency Plan, a copy of which has been filed with OCFA/HMS, has been reviewed and the information contained in it is accurate and complete as of the date indicated on the signature line below.
- o I certify that I have reviewed the Business Emergency Plan and have updated the following items:

  (ATTACH AS NECSSARY)
  - □ Emergency contact names and/or telephone numbers
  - □ Site and/or facility map(s)
  - □ Emergency procedures
  - □ Other Information
- o A complete Business Emergency Plan is included with this form.

I certify under penalty of law that our business has reviewed and is familiar with the information submitted to the Orange County Fire Authority/HMS, and certify the submitted information is true, accurate, and complete.

DBA	PHONE	DATE
Sears #1638/6458/8358	714-256-7300/714-529-9393	02/11/2008
BUSINESS ADDRESS	**CITY**	**ZIP**
100 Brea Mall WAy	Brea	92821
MAILING ADDRESS (If different)	**CITY**	**ZIP**
3333 Beverly Road, B5-339A	Hoffman Estates, IL	60179
PRINT NAME OF OWNER/OPERATOR	**SIGNATURE OF OWNER/OPERATOR**	
Michael Olsen		

9/04 JB

All Hazardous Materials Forms are available on the OCFA website at www.ocfa.org

DRAFT

OC CUPA
1241 E. Dyer Road
Suite 120
Santa Ana
CA 92705
(714) 433-6000

UNIFIED PROGRAM CONSOLIDATED FORM

FACILITY INFORMATION

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	EPA ID # (Hazardous Waste Only)
3 0 [1]	CAD980892301 [2]

BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As) [3]
Sears #1638/6458/8358

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...	If Yes, please complete these pages of the UPCF...	
A. HAZARDOUS MATERIALS Have onsite (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to10 CFR Parts 30, 40 or 70?	☒YES ○NO [4]	✓ HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	○YES ☒NO [5]	✓ UST FACILITY (Formerly SWRCB Form A) ✓ UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	○YES ☒NO [6]	✓ UST FACILITY ✓ UST TANK (one per tank) ✓ UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank)(Formerly Form C)
3. Need to report closing a UST?	○YES ☒NO [7]	✓ UST TANK (closure portion--one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	○YES ☒NO [8]	NO FORM REQUIRED TO CUPAS
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	☒YES ○NO [9]	✓ EPA ID NUMBER---provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	○YES ☒NO [10]	✓ RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste onsite?	○YES ☒NO [11]	✓ ONSITE HAZARDOUS WASTE TREATMENT - FACILITY (Formerly DTSC Form 1772) ✓ ONSITE HAZARDOUS WASTE TREATMENT - UNIT (one page per unit) (Formerly DTSC Forms 1772A,B,C,D, and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	○YES ☒NO [12]	✓ CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	○YES ☒NO [13]	✓ REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	○YES ☒NO [14]	✓ HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)
E. LOCAL REQUIREMENTS Cal-ARP: California Accidental Release Prevention Program *H&SC Chapter 6.95, Article 2, §25531 et seq* ---Stationary Source with more than a Threshold Quantity of a Regulated Substance in a Process	μYES ☒NO [15]	[4] REGULATED SUBSTANCE REPORTING FORM (Orange County CUPA)

DRAFT

Orange County Fire Authority

Hazardous Materials Inventory Statement

- Please type or print legibly in black ink.
- For line-by-line instructions, refer to the green colored pages of the disclosure packet.
- If additional copies are necessary, this form may be reproduced.
- For assistance, contact the Disclosure Office at (714) 573-6250

I. IDENTIFICATION

OFFICIAL USE ONLY 1	BEGINNING DATE 100: 02/11/2008	ENDING DATE 101: 02/11/2009	
BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: Sears #1638 / #6458 / #8358		BUSINESS PHONE 102: 714-256-7300/714-529-9393	
BUSINESS SITE ADDRESS (Where chemicals are used/handled/stored) 103: 100 Brea Mall Way			
CITY 104: Brea	**CA**	ZIP CODE 105: 92821	
DUN & BRADSTREET 106: 00-165-9955		SIC CODE (4 digit #) 107: 5399/7549/7699	
COUNTY **ORANGE**			
BUSINESS OPERATOR NAME 109: Sears Roebuck and Co.		BUSINESS OPERATOR PHONE 110: 714-256-9393	

II. BUSINESS OWNER

OWNER NAME 111: Sears Roebuck and Co		OWNER PHONE 112: 847-286-7222
OWNER MAILING ADDRESS 113: 3333 Beverly Rd. B5-339A		
CITY 114: Hoffman Estates	STATE 115: IL	ZIP CODE 116: 60179

III. BILLING INFORMATION

CONTACT NAME 117: Michael Olsen		CONTACT PHONE 118: 847-286-7222
CONTACT MAILING ADDRESS 119: 3333 Beverly Rd. B5-339A		
CITY 114: Hoffman Estates	STATE 115: IL	ZIP CODE 116: 60179

IV. EMERGENCY CONTACTS

-PRIMARY	-SECONDARY
NAME 123: Scott DeNader	NAME 128: Jonathan Alcantar
TITLE 124: LP Manager	TITLE 129: Operations Manager
BUSINESS PHONE 125: 714-256-7300	BUSINESS PHONE 130: 714-256-7300
24-HOUR PHONE 126: 714-454-4042	24-HOUR PHONE 131: 310-972-8297
CELL or PAGER # 127:	CELL or PAGER # 132:

Additional Locally Collected Information: 133

(a) Please describe the main operation of your business:_____Retail, Auto Center, and Product Service Center_____

(b) Do you have a license to purchase commercial grade pesticides? ☐ Yes X☐ No If yes, give number:_____

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134	NAME OF DOCUMENT PREPARER 135

NAME OF SIGNER (print) 136	TITLE OF SIGNER 137	PHONE # OF PREPARER 138
Michael Olsen	Manger, Environmental Compliance	847-286-7222

DRAFT

ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

- Please type or print legibly in black ink.
- This form may be reproduced or down loaded from our website at www.ocfa.org.
- For line-by-line instructions, refer to the green colored pages.
- For assistance, contact the Disclosure Office at (714) 573-6250.

☐ ADD ☐ DELETE ☒ REVISE

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ■ Yes ☒ No 202

OFFICIAL USE ONLY | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME Used Brake Fluid 207

EHS* ☐ Yes ☒ No 208

CAS # Mixture 209

FIRE CODE HAZARD CLASSES (See green page 25) CLIIB, IRR 210

*If EHS is 'Yes', all amounts below must be reported in their physical state as well as pounds

TYPE *(Check one item only)* ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211 | RADIOACTIVE ☐ Yes ☒ No 212 | CURIES 213

PHYSICAL STATE *(Check one item only)* ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 27.5 217 | MAXIMUM AMOUNT: 55 | EHS MAX AMT. IN POUNDS: 218 | ANNUAL WASTE AMOUNT 330 219 | STATE WASTE CODE 343 220

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 55 215

# of DAYS ON SITE 365 222

STORAGE CONTAINER *(Check all that apply)*

☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☒ e. DRUM ☐ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK ☐ k. BAG ☐ l. BOX ☐ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS ☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN ☐ u. TANK WAGON 223 ☐ v. OTHER _____

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1	100 226	Proprietary Mixture 227	☐ Yes ☒ No 228	Mixture 229
2	230	231	☐ Yes ☐ No 232	233
3	234	235	☐ Yes ☐ No 236	237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycle
(f) Is a waste produced or left over after processing? ☒ Yes ☐ No
(g) How is the material used/What is the material used for? Brake repair

Signature

FOR OFFICE USE ONLY: ☐ UNDER ☐ COMB ☐ EXEMPT | ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS | ☐ 1 ☐ 2 ☐ 3

DRAFT

ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

- Please type or print legibly in black ink.
- This form may be reproduced or down loaded from our website at www.ocfa.org.
- For line-by-line instructions, refer to the green colored pages.
- For assistance, contact the Disclosure Office at (714) 573-6250.

☐ ADD ☒ DELETE ☐ REVISE

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/2458/8358

CHEMICAL LOCATION (Where chemical is located e g southwest corner of warehouse) 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ■ Yes ☒ No 202

OFFICIAL USE ONLY 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME Lead Acid Batteries 207

EHS* ☐ Yes ☒ No 208

CAS # Mixture 209

FIRE CODE HAZARD CLASSES (See green page 25) 210
WRII, CORR

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE *(Check one item only)* ☐ a PURE ☒ b MIXTURE ☐ c WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE *(Check one item only)* ☐ a SOLID ☒ b LIQUID ☐ c GAS 214

FED HAZARD CATEGORIES ☐ a FIRE ☒ b REACTIVE ☐ c PRESSURE RELEASE ☒ d ACUTE HEALTH ☐ e CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 263 217

MAXIMUM AMOUNT: 525 EHS MAX AMT IN POUNDS: 218

ANNUAL WASTE AMOUNT 0 219

STATE WASTE CODE N/A 220

UNITS* ☐ a GALLONS ☐ b CUBIC FEET 221 ☒ c POUNDS ☐ d TONS

LARGEST CONTAINER 215
3.5

# of DAYS ON SITE 222
365

STORAGE CONTAINER *(Check all that apply)*

☐ a ABOVEGROUND TANK	☐ f PLASTIC CONTAINER	☐ k BAG	☐ p RAIL CAR	☐ u TANK WAGON 223
☐ b UNDERGROUND TANK	☐ g METAL CONTAINER	☐ l BOX	☐ q SILO	☒ v OTHER Battery Case
☐ c PRESSURIZED TANK	☐ h VAT	☐ m CYLINDER	☐ r TANK INSIDE	
☐ d MAGAZINE	☐ i IN MACHINERY	☐ n GLASS CONTAINER	☐ s CARBOY	
☐ e DRUM	☐ j ON TRUCK	☐ o VARIOUS	☐ t TOTE BIN	

STORAGE PRESSURE ☒ a AMBIENT ☐ b ABOVE AMBIENT ☐ c BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a AMBIENT ☐ b ABOVE AMBIENT ☐ c BELOW AMBIENT ☐ d CRYOGENIC 225

	%WT		HAZARDOUS COMPONENT *(For mixture or waste only)*		EHS		CAS #	
1	35	226	Sulfuric Acid (electrolyte)	227	☒ Yes ☐ No 228		7646-93-9	229
2	34	230	Lead	231	☐ Yes ☒ No 232		7439-92-1	233
3	31	234	Lead Dioxide	235	☐ Yes ☒ No 236		1309-60-0	237
4		238		239	☐ Yes ☐ No 240			241
5		242		243	☐ Yes ☐ No 244			245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

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(b) Is this material prepackaged for retail sale? ☒ Yes ☐ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) N/A
(f) Is a waste produced or left over after processing? ☐ Yes ☒ No
(g) How is the material used/What is the material used for? car battery

Signature

FOR OFFICE USE ONLY

☐ UNDER ☐ COMB ☐ EXEMPT

☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS

☐ 1 ☐ 2 ☐ 3

DRAFT

ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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Sears #1638/6458/8358

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Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ■ Yes ☒ No 202

OFFICIAL USE ONLY | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME Used Lead Acid Batteries 207

EHS* ☐ Yes ☒ No 208

CAS # Mixture 209

FIRE CODE HAZARD CLASSES (See green page 25) WRII, CORR 210

*If EHS is 'Yes', all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☒ a. SOLID ☐ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 438 217

MAXIMUM AMOUNT: 2,920 EHS-MAX AMT. IN POUNDS: 218

ANNUAL WASTE AMOUNT: 151,840 219

STATE WASTE CODE: 792 220

UNITS* ☐ a. GALLONS ☐ b. CUBIC FEET 221 ☒ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 36.5 215

# of DAYS ON SITE 365 222

STORAGE CONTAINER (Check all that apply)

☐ a. ABOVEGROUND TANK	☐ f. PLASTIC CONTAINER	☐ k. BAG	☐ p. RAIL CAR	☐ u. TANK WAGON 223
☐ b. UNDERGROUND TANK	☐ g. METAL CONTAINER	☐ l. BOX	☐ q. SILO	☒ v. OTHER Battery Case
☐ c. PRESSURIZED TANK	☐ h. VAT	☐ m. CYLINDER	☐ r. TANK INSIDE	
☐ d. MAGAZINE	☐ i. IN MACHINERY	☐ n. GLASS CONTAINER	☐ s. CARBOY	
☐ e. DRUM	☐ j. ON TRUCK	☐ o. VARIOUS	☐ t. TOTE BIN	

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	9 226	Sulfuric Acid (pure) 227	☐ Yes ☒ No 228	7664-93-9 229
2	34 230	Lead 231	☐ Yes ☒ No 232	7439-92-1 233
3	31 234	Lead Dioxide 235	☐ Yes ☒ No 236	1309-60-0 237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled
(f) Is a waste produced or left over after processing? ☒ Yes ☐ No
(g) How is the material used/What is the material used for? car battery replacement

Signature

FOR OFFICE USE ONLY ☐ UNDER ☐ COMB ☐ EXEMPT ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS ☐ 1 ☐ 2 ☐ 3

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ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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☐ ADD ☐ DELETE ☒ REVISE

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located e.g. southwest corner of warehouse) 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ■ Yes ☒ No 202

OFFICIAL USE ONLY | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME Used Antifreeze/Coolant 207

EHS* ☐ Yes ☒ No 208

CAS # Mixture 209

FIRE CODE HAZARD CLASSES (See green page 25) 210
CLIIIB,, IRR, OHH

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE *(Check one item only)* ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE *(Check one item only)* ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 69 217

MAXIMUM AMOUNT: 138 EHS MAX AMT IN POUNDS: 218

ANNUAL WASTE AMOUNT 828 219

STATE WASTE CODE 343 220

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 215
138

# of DAYS ON SITE 222
365

STORAGE CONTAINER *(Check all that apply)*

☒ a. ABOVEGROUND TANK	☐ f. PLASTIC CONTAINER	☐ k. BAG	☐ p. RAIL CAR	☐ u. TANK WAGON 223
☐ b. UNDERGROUND TANK	☐ g. METAL CONTAINER	☐ l. BOX	☐ q. SILO	☐ v. OTHER
☐ c. PRESSURIZED TANK	☐ h. VAT	☐ m. CYLINDER	☐ r. TANK INSIDE	
☐ d. MAGAZINE	☐ i. IN MACHINERY	☐ n. GLASS CONTAINER	☐ s. CARBOY	
☐ e. DRUM	☐ j. ON TRUCK	☐ o. VARIOUS	☐ t. TOTE BIN	

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1 80-96 226	Ethylene Glycol 227	☐ Yes ☒ No 228	107-21-1 229
2 0-8 230	Diethylene Glycol 231	☐ Yes ☒ No 232	64742-65-0 233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled
(f) Is a waste produced or left over after processing? ☒ Yes ☐ No
(g) How is the material used/What is the material used for? Engine maintenance

Signature

FOR OFFICE USE ONLY

☐ UNDER ☐ COMB ☐ EXEMPT

☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS

☐ 1 ☐ 2 ☐ 3

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ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ■ Yes ☒ No 202

OFFICIAL USE ONLY | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME Used Motor Oil 207

EHS* ☐ Yes ☒ No 208

CAS # Mixture 209

FIRE CODE HAZARD CLASSES (See green page 25) CLIIIB, IRR 210

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE *(Check one item only)* ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211 | RADIOACTIVE ☐ Yes ☒ No 212 | CURIES 213

PHYSICAL STATE *(Check one item only)* ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 250 217 | MAXIMUM AMOUNT 500 | EHS MAX AMT. IN POUNDS 218 | ANNUAL WASTE AMOUNT 3000 219 | STATE WASTE CODE 221 220

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 500 215

# of DAYS ON SITE 365 222

STORAGE CONTAINER *(Check all that apply)*

☒ a. ABOVEGROUND TANK	☐ f. PLASTIC CONTAINER	☐ k. BAG	☐ p. RAIL CAR	☐ u. TANK WAGON 223
☐ b. UNDERGROUND TANK	☐ g. METAL CONTAINER	☐ l. BOX	☐ q. SILO	☐ v. OTHER
☐ c. PRESSURIZED TANK	☐ h. VAT	☐ m. CYLINDER	☐ r. TANK INSIDE	
☐ d. MAGAZINE	☐ i. IN MACHINERY	☐ n. GLASS CONTAINER	☐ s. CARBOY	
☐ e. DRUM	☐ j. ON TRUCK	☐ o. VARIOUS	☐ t. TOTE BIN	

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1	95-98 226	Petroleum Oils 227	☐ Yes ☒ No 228	Mixture 229
2	230	231	☐ Yes ☐ No 232	233
3	234	235	☐ Yes ☐ No 236	237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled
(f) Is a waste produced or left over after processing? ☒ Yes ☐ No
(g) How is the material used/What is the material used for? oil change

Signature

FOR OFFICE USE ONLY: ☐ UNDER ☐ COMB ☐ EXEMPT | ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS | ☐ 1 ☐ 2 ☐ 3

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located e g southwest corner of warehouse) 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ■ Yes ☒ No 202

OFFICIAL USE ONLY | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME Used Motor Oil Filters 207

EHS* ☐ Yes ☒ No 208

CAS # Mixture 209

FIRE CODE HAZARD CLASSES (See green page 25) 210
CLIIIB, IRR

*If EHS is Yes", all amounts below must be reported in their physical state as well as pounds

TYPE *(Check one item only)* ☐ a PURE ☐ b MIXTURE ☒ c WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE *(Check one item only)* ☐ a SOLID ☒ b LIQUID ☐ c GAS 214

FED HAZARD CATEGORIES ☒ a FIRE ☐ b REACTIVE ☐ c PRESSURE RELEASE ☒ d ACUTE HEALTH ☒ e CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 55 217

MAXIMUM AMOUNT: 110 EHS MAX AMT IN POUNDS: 218

ANNUAL WASTE AMOUNT 660 219

STATE WASTE CODE 221 220

UNITS* ☒ a GALLONS ☐ b CUBIC FEET 221 ☐ c POUNDS ☐ d TONS

LARGEST CONTAINER 215
55

# of DAYS ON SITE 222
365

STORAGE CONTAINER *(Check all that apply)*

☐ a ABOVEGROUND TANK ☐ b UNDERGROUND TANK ☐ c PRESSURIZED TANK ☐ d MAGAZINE ☒ e DRUM ☐ f PLASTIC CONTAINER ☐ g METAL CONTAINER ☐ h VAT ☐ i IN MACHINERY ☐ j ON TRUCK ☐ k BAG ☐ l BOX ☐ m CYLINDER ☐ n GLASS CONTAINER ☐ o VARIOUS ☐ p RAIL CAR ☐ q SILO ☐ r TANK INSIDE ☐ s CARBOY ☐ t TOTE BIN ☐ u TANK WAGON 223 ☐ v OTHER

STORAGE PRESSURE ☒ a AMBIENT ☐ b ABOVE AMBIENT ☐ c BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a AMBIENT ☐ b ABOVE AMBIENT ☐ c BELOW AMBIENT ☐ d CRYOGENIC 225

%WT	HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1 95-98 226	Petroleum Oils 227	☐ Yes ☒ No 228	Mixture 229
2 230	231	☐ Yes ☐ No 232	233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled
(f) Is a waste produced or left over after processing? ☒ Yes ☐ No
(g) How is the material used/What is the material used for? Oil changes

Signature

FOR OFFICE USE ONLY: ☐ UNDER ☐ COMB ☐ EXEMPT | ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS | ☐ 1 ☐ 2 ☐ 3

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Hazardous Materials Inventory Statement

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located e g southwest corner of warehouse) 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ■ Yes ☒ No 202

OFFICIAL USE ONLY | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME Used Lead Weights (tire alignment) 207

EHS* ☐ Yes ☒ No 208

CAS # 8006-91-6 209

FIRE CODE HAZARD CLASSES (See green page 25) FLIA, IRR, CAR 210

*If EHS is 'Yes', all amounts below must be reported in their physical state as well as pounds

TYPE *(Check one item only)* ☐ a PURE ☐ b MIXTURE ☒ c WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE *(Check one item only)* ☒ a SOLID ☐ b LIQUID ☐ c GAS 214

FED HAZARD CATEGORIES ☒ a FIRE ☐ b REACTIVE ☐ c PRESSURE RELEASE ☒ d ACUTE HEALTH ☒ e CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 6 217

MAXIMUM AMOUNT: 12

EHS MAX AMT IN POUNDS: 218

ANNUAL WASTE AMOUNT 12 219

STATE WASTE CODE 181 220

UNITS* ☒ a GALLONS ☐ b CUBIC FEET 221 ☐ c POUNDS ☐ d TONS

LARGEST CONTAINER 215
3

# of DAYS ON SITE 222
365

STORAGE CONTAINER *(Check all that apply)*

☐ a ABOVEGROUND TANK	☒ f PLASTIC CONTAINER	☐ k BAG	☐ p RAIL CAR	☐ u TANK WAGON 223	
☐ b UNDERGROUND TANK	☐ g METAL CONTAINER	☐ l BOX	☐ q SILO	☐ v OTHER	
☐ c PRESSURIZED TANK	☐ h VAT	☐ m CYLINDER	☐ r TANK INSIDE		
☐ d MAGAZINE	☐ i IN MACHINERY	☐ n GLASS CONTAINER	☐ s CARBOY		
☐ e DRUM	☐ j ON TRUCK	☐ o VARIOUS	☐ t TOTE BIN		

STORAGE PRESSURE ☒ a AMBIENT ☐ b ABOVE AMBIENT ☐ c BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a AMBIENT ☐ b ABOVE AMBIENT ☐ c BELOW AMBIENT ☐ d CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1	100 226	Lead 227	☐ Yes ☒ No 228	7439-92-1 229
2	230	231	☐ Yes ☐ No 232	233
3	234	235	☐ Yes ☐ No 236	237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☒ Yes ☐ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled
(f) Is a waste produced or left over after processing? ☒ Yes ☐ No
(g) How is the material used/What is the material used for? Tire alignment

Signature

FOR OFFICE USE ONLY

☐ UNDER ☐ COMB ☐ EXEMPT

☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS

☐ 1 ☐ 2 ☐ 3

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ORANGE COUNTY FIRE AUTHORITY

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located e g southwest corner of warehouse) 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ■ Yes ☒ No 202

OFFICIAL USE ONLY 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☐ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME Parts Washer Solvent 207

EHS* ☐ Yes ☐ No 208

CAS # Mixture 209

FIRE CODE HAZARD CLASSES (See green page 25) 210
FLIA, IRR, CORR

*If EHS is 'Yes', all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a PURE ☐ b MIXTURE ☒ c WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a SOLID ☒ b LIQUID ☐ c GAS 214

FED HAZARD CATEGORIES ☒ a FIRE ☐ b REACTIVE ☐ c PRESSURE RELEASE ☒ d ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 15 217

MAXIMUM AMOUNT: 30 EHS MAX AMT IN POUNDS: 218

ANNUAL WASTE AMOUNT 360 219

STATE WASTE CODE 212 220

UNITS* ☒ a GALLONS ☐ b CUBIC FEET 221 ☐ c POUNDS ☐ d TONS

LARGEST CONTAINER 215
30

# of DAYS ON SITE 222
365

STORAGE CONTAINER (Check all that apply)

☐ a ABOVEGROUND TANK	☐ f PLASTIC CONTAINER	☐ k. BAG	☐ p. RAIL CAR	☐ u TANK WAGON 223
☐ b UNDERGROUND TANK	☐ g METAL CONTAINER	☐ l BOX	☐ q. SILO	☐ v OTHER
☐ c. PRESSURIZED TANK	☐ h. VAT	☐ m. CYLINDER	☐ r TANK INSIDE	
☐ d MAGAZINE	☐ i IN MACHINERY	☐ n. GLASS CONTAINER	☐ s. CARBOY	
☒ e DRUM	☐ j ON TRUCK	☐ o. VARIOUS	☐ t TOTE BIN	

STORAGE PRESSURE ☒ a AMBIENT ☐ b ABOVE AMBIENT ☐ c BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a AMBIENT ☐ b. ABOVE AMBIENT ☐ c BELOW AMBIENT ☐ d CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	226	See attached 227	☐ Yes ☐ No 228	229
2	230	231	☐ Yes ☐ No 232	233
3	234	235	☐ Yes ☐ No 236	237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled
(f) Is a waste produced or left over after processing? ☒ Yes ☐ No
(g) How is the material used/What is the material used for? Parts Cleaner

Signature

FOR OFFICE USE ONLY ☐ UNDER ☐ COMB ☐ EXEMPT ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS ☐ 1 ☐ 2 ☐ 3

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ORANGE COUNTY FIRE AUTHORITY

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ■ Yes ☒ No 202

OFFICIAL USE ONLY 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
1,1,1,2-Tetrafluroethane

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 207
Refrigerant R-134a

EHS* ☐ Yes ☒ No 208

CAS # 209
811-97-2

FIRE CODE HAZARD CLASSES (See green page 25) 210
IRR

*If EHS is Yes", all amounts below must be reported in their physical state as well as pounds

TYPE *(Check one item only)* ☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE *(Check one item only)* ☐ a. SOLID ☐ b. LIQUID ☒ c. GAS 214

FED HAZARD CATEGORIES ☐ a. FIRE ☐ b. REACTIVE ☒ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 30 217

MAXIMUM AMOUNT: 60

EHS MAX AMT IN POUNDS: 218

ANNUAL WASTE AMOUNT 219

STATE WASTE CODE 220

UNITS* ☐ a. GALLONS ☐ b. CUBIC FEET 221 ☒ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 215
30

# of DAYS ON SITE 222
365

STORAGE CONTAINER *(Check all that apply)*

☐ a. ABOVEGROUND TANK	☐ f. PLASTIC CONTAINER	☐ k. BAG	☐ p. RAIL CAR	☐ u. TANK WAGON 223
☐ b. UNDERGROUND TANK	☐ g. METAL CONTAINER	☐ l. BOX	☐ q. SILO	☐ v. OTHER
☐ c. PRESSURIZED TANK	☐ h. VAT	☒ m. CYLINDER	☐ r. TANK INSIDE	
☐ d. MAGAZINE	☐ i. IN MACHINERY	☐ n. GLASS CONTAINER	☐ s. CARBOY	
☐ e. DRUM	☐ j. ON TRUCK	☐ o. VARIOUS	☐ t. TOTE BIN	

STORAGE PRESSURE ☐ a. AMBIENT ☒ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1 226	227	☐ Yes ☐ No 228	229
2 230	231	☐ Yes ☐ No 232	233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled
(f) Is a waste produced or left over after processing? ☒ Yes ☐ No
(g) How is the material used/What is the material used for? Refrigerant

Signature

FOR OFFICE USE ONLY

☐ UNDER ☐ COMB ☐ EXEMPT

☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS

☐ 1 ☐ 2 ☐ 3

DRAFT

ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

- Please type or print legibly in black ink.
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- For line-by-line instructions, refer to the green colored pages.
- For assistance, contact the Disclosure Office at (714) 573-6250.

☐ ADD ☐ DELETE ☒ REVISE

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ■ Yes ☐ No 202

OFFICIAL USE ONLY | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 1,1,1,2-Tetrafluoroethane 207

EHS* ☐ Yes ☒ No 208

CAS # 811-97-2 209

FIRE CODE HAZARD CLASSES (See green page 25) IRR 210

*If EHS is 'Yes', all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☐ b. LIQUID ☒ c. GAS 214

FED HAZARD CATEGORIES ☐ a. FIRE ☐ b. REACTIVE ☒ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 15 217

MAXIMUM AMOUNT: 30 EHS MAX AMT. IN POUNDS: 218

ANNUAL WASTE AMOUNT 30 219

STATE WASTE CODE 741 220

UNITS* ☐ a. GALLONS ☐ b. CUBIC FEET 221 ☒ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 30 215

# of DAYS ON SITE 365 222

STORAGE CONTAINER (Check all that apply)

☐ a. ABOVEGROUND TANK	☐ f. PLASTIC CONTAINER	☐ k. BAG	☐ p. RAIL CAR	☐ u. TANK WAGON 223
☐ b. UNDERGROUND TANK	☐ g. METAL CONTAINER	☐ l. BOX	☐ q. SILO	☐ v. OTHER:
☐ c. PRESSURIZED TANK	☐ h. VAT	☒ m. CYLINDER	☐ r. TANK INSIDE	
☐ d. MAGAZINE	☐ i. IN MACHINERY	☐ n. GLASS CONTAINER	☐ s. CARBOY	
☐ e. DRUM	☐ j. ON TRUCK	☐ o. VARIOUS	☐ t. TOTE BIN	

STORAGE PRESSURE ☐ a. AMBIENT ☒ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	100 226	1,1,1,2-Tetrafluoroethane 227	☐ Yes ☒ No 228	811-97-2 229
2	230	231	☐ Yes ☐ No 232	233
3	234	235	☐ Yes ☐ No 236	237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled
(f) Is a waste produced or left over after processing? ☒ Yes ☐ No
(g) How is the material used/What is the material used for? Refrigerant

Signature

FOR OFFICE USE ONLY ☐ UNDER ☐ COMB ☐ EXEMPT ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS ☐ 1 ☐ 2 ☐ 3

DRAFT

ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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☒ ADD ☐ DELETE ☒ REVISE

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Training room

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ■ Yes ☒ No 202

OFFICIAL USE ONLY | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME Helium 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME Helium 207

EHS* ☐ Yes ☒ No 208

CAS # 7440-59-7 209

FIRE CODE HAZARD CLASSES (See green page 25) NFG 210

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE *(Check one item only)* ☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE *(Check one item only)* ☐ a. SOLID ☐ b. LIQUID ☒ c. GAS 214

FED HAZARD CATEGORIES ☐ a. FIRE ☐ b. REACTIVE ☒ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 122 217

MAXIMUM AMOUNT: 244 EHS MAX AMT IN POUNDS: 218

ANNUAL WASTE AMOUNT 219

STATE WASTE CODE 220

UNITS* ☐ a. GALLONS ☒ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 244 215

# of DAYS ON SITE 365 222

STORAGE CONTAINER *(Check all that apply)*

☐ a. ABOVEGROUND TANK	☐ f. PLASTIC CONTAINER	☐ k. BAG	☐ p. RAIL CAR	☐ u. TANK WAGON 223
☐ b. UNDERGROUND TANK	☐ g. METAL CONTAINER	☐ l. BOX	☐ q. SILO	☐ v. OTHER _____
☐ c. PRESSURIZED TANK	☐ h. VAT	☒ m. CYLINDER	☐ r. TANK INSIDE	
☐ d. MAGAZINE	☐ i. IN MACHINERY	☐ n. GLASS CONTAINER	☐ s. CARBOY	
☐ e. DRUM	☐ j. ON TRUCK	☐ o. VARIOUS	☐ t. TOTE BIN	

STORAGE PRESSURE ☐ a. AMBIENT ☒ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1 226	227	☐ Yes ☐ No 228	229
2 230	231	☐ Yes ☐ No 232	233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) N/A
(f) Is a waste produced or left over after processing? ☐ Yes ☒ No
(g) How is the material used/What is the material used for? balloons

Signature

FOR OFFICE USE ONLY ☐ UNDER ☐ COMB ☐ EXEMPT ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS ☐ 1 ☐ 2 ☐ 3

DRAFT

OC CUPA
2009 E. Edinger Ave
Santa Ana
CA 92705
(714) 667-3600

UNIFIED PROGRAM CONSOLIDATED FORM
HAZARDOUS MATERIALS

HAZARDOUS MATERIALS INVENTORY
CHEMICAL DESCRIPTION
(one page per material per building or area)

☐ ADD ☐ DELETE ☒ REVISE 200

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION 201
Product Service Center - Isolated Room - South End.

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

FACILITY ID # 3 0 1 | MAP # (optional) 1 203 | GRID # (optional) B-6 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to Instructions

COMMON NAME 207
Waste Gasoline

EHS* ☐ Yes ☒ No 208

CAS # 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES *(Complete if required by CUPA)* 210
FLIA, IRR, CAR

HAZARDOUS MATERIAL TYPE *(Check one item only)* ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE *(Check one item only)* ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER 30 215

FED HAZARD CATEGORIES *(Check all that apply)* ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT	MAXIMUM DAILY AMOUNT	ANNUAL WASTE AMOUNT	STATE WASTE CODE
15 (217)	30 (218)	180 (219)	343 (220)

UNITS *(Check one item only)* ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds

DAYS ON SITE 365 222

STORAGE CONTAINER *(Check all that apply)* 223
☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☒ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1	100 (226)	Unleaded Gasoline (227)	☐ Yes ☒ No 228	8006-61-9 (229)
2	(230)	(231)	☐ Yes ☐ No 232	(233)
3	(234)	(235)	☐ Yes ☐ No 236	(237)
4	(238)	(239)	☐ Yes ☐ No 240	(241)
5	(242)	(243)	☐ Yes ☐ No 244	(245)

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION: 246

X _____
If EPCRA, Please Sign Here

DRAFT

OC CUPA
2009 E Edinger Ave
Santa Ana
CA 92705
(714) 667-3600

UNIFIED PROGRAM CONSOLIDATED FORM
HAZARDOUS MATERIALS

HAZARDOUS MATERIALS INVENTORY
CHEMICAL DESCRIPTION
(one page per material per building or area)

☐ ADD ☐ DELETE ☒ REVISE 200

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

FACILITY ID # 3 0 1 MAP # (optional) 1 203 GRID # (optional) E-2 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 207
Castrol Super Clean Tough Task (Floor Degreaser)

EHS* ☐ Yes ☒ No 208

CAS # 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES *(Complete if required by CUPA)* 210
CORR

HAZARDOUS MATERIAL TYPE *(Check one item only)* ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE *(Check one item only)* ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER 55 215

FED HAZARD CATEGORIES *(Check all that apply)* ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 27 217

MAXIMUM DAILY AMOUNT 55 218

ANNUAL WASTE AMOUNT 0 219

STATE WASTE CODE N/A 220

UNITS* *(Check one item only)* ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds

DAYS ON SITE 365 222

STORAGE CONTAINER *(Check all that apply)* 223
☐ a. ABOVEGROUND TANK ☒ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1	5-10 (226)	2-Butoxyethanol (227)	☐ Yes ☒ No 228	111-76-2 (229)
2	1-5 (230)	Sodium xylenesulfonate (231)	☐ Yes ☒ No 232	1300-72-7 (233)
3	1-5 (234)	Sodium hydroxide (235)	☐ Yes ☒ No 236	1310-73-2 (237)
4	1-5 (238)	Nonylphenol ethoxylate (239)	☐ Yes ☒ No 240	127087-87-0 (241)
5	1-5 (242)	Sodium metasilicate pentahydrate (243)	☐ Yes ☒ No 244	6834-92-0 (245)

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION: 246

X _____
If EPCRA, Please Sign Here

DRAFT

ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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☒ ADD ☐ DELETE ☐ REVISE 200

Page ____ of ____

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

Official use only | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 207
Waste Absorbent Material (shop rags)

EHS* ☐ Yes ☒ No 208

CAS # 209
Mixture

FIRE CODE HAZARD CLASSES (See green page 25) 210
CL

*If EHS is"Yes", all amounts below must be reported in their physical state as well as pounds

TYPE *(Check one item only)* ☐ a. PURE ☐ b. MIXTURE ✠ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE *(Check one item only)* ☒ a. SOLID ☐ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 25 217

MAXIMUM AMOUNT: 54 EHS-MAX AMT. IN POUNDS 218

ANNUAL WASTE AMOUNT 216 219

STATE WASTE CODE 220
223

UNITS* ☐ a. GALLONS ☐ b. CUBIC FEET 221 ☒ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 215
18

# of DAYS ON SITE 222
365

STORAGE CONTAINER *(Check all that apply)*

☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☐ e. DRUM
☐ f. PLASTIC CONTAINER ☒ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK
☐ k. BAG ☐ l. BOX ☐ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS
☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN
☐ u. TANK WAGON 223 ☐ v. OTHER: _____

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT		HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1	226	Absorbent Materials containing unspecified oils 227	☐ Yes ☒ No 228	Mixture 229
2	230	231	☐ Yes ☐ No 232	233
3	234	235	☐ Yes ☐ No 236	237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(d) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled

Signature

FOR OFFICE USE ONLY

o UNDER o COMB o EXEMPT

o CARC o EXPL o RAD o HTX o CGP o RS

o 1 o 2 o 3

WASTE

ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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☒ ADD ☐ DELETE ☐ REVISE 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

OFFICIAL USE ONLY 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Motor Oil

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 207
Motor Oil

EHS* ☐ Yes ☒ No 208

CAS # 209
Mixture

FIRE CODE HAZARD CLASSES (See green page 25) 210
CL

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE *(Check one item only)* ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE *(Check one item only)* ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217: 160

MAXIMUM AMOUNT 218: 220 EHS-MAX AMT. IN POUNDS

ANNUAL WASTE AMOUNT 219

STATE WASTE CODE 220

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 215
22

# of DAYS ON SITE 222
365

STORAGE CONTAINER *(Check all that apply)*

☐ a. ABOVEGROUND TAN ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☒ e. DRUM
☐ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK
☐ k. BAG ☐ l. BOX ☐ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS
☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN
☐ u. TANK WAGON 223 ☐ v. OTHER: _____

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1	95-98 226	Petroleum Oils 227	☐ Yes ☒ No 228	Mixture 229
2	230	231	☐ Yes ☐ No 232	233
3	234	235	☐ Yes ☐ No 236	237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled
(f) Is a waste produced or left over after processing? ☐ Yes ☒ No
(g) How is the material used/What is the material used for? Oil Change

Signature

FOR OFFICE USE ONLY: o UNDER o COMB o EXEMPT | o CARC o EXPL o RAD o HTX o CGP o RS | o 1 o 2 o 3

DRAFT

ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

- Please type or print legibly in black ink.
- This form may be reproduced or downloaded from our website at www.ocfa.org.
- For line-by-line instructions, refer to the green colored pages.
- For assistance, contact the Disclosure Office at (714) 573-6250.

☒ ADD ☐ DELETE ☐ REVISE 200

Page ____ of ____

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Hazardous Materials Storage Room

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

Official use only | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☐ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 207
Waste Latex Paint

EHS* ☐ Yes ☒ No 208

CAS # 209
Mixture

FIRE CODE HAZARD CLASSES (See green page 25) 210
IRR, FL

*If EHS is"Yes", all amounts below must be reported in their physical state as well as pounds

TYPE *(Check one item only)* ☐ a. PURE ☐ b. MIXTURE X☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE *(Check one item only)* ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 25 217

MAXIMUM AMOUNT: 55 EHS-MAX AMT. IN POUNDS 218

ANNUAL WASTE AMOUNT 220 219

STATE WASTE CODE 220
292

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 215
22

# of DAYS ON SITE 222
365

STORAGE CONTAINER *(Check all that apply)*

☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☒ e. DRUM
☐ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK
☐ k. BAG ☐ l. BOX ☐ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS
☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN
☐ u. TANK WAGON 223 ☐ v. OTHER: _____

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT		HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1	100	226	Waste Latex Paint, unspecified	☐ Yes ☒ No 228	Mixture 229
2		230	231	☐ Yes ☐ No 232	233
3		234	235	☐ Yes ☐ No 236	237
4		238	239	☐ Yes ☐ No 240	241
5		242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246
(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(d) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled

Signature

FOR OFFICE USE ONLY

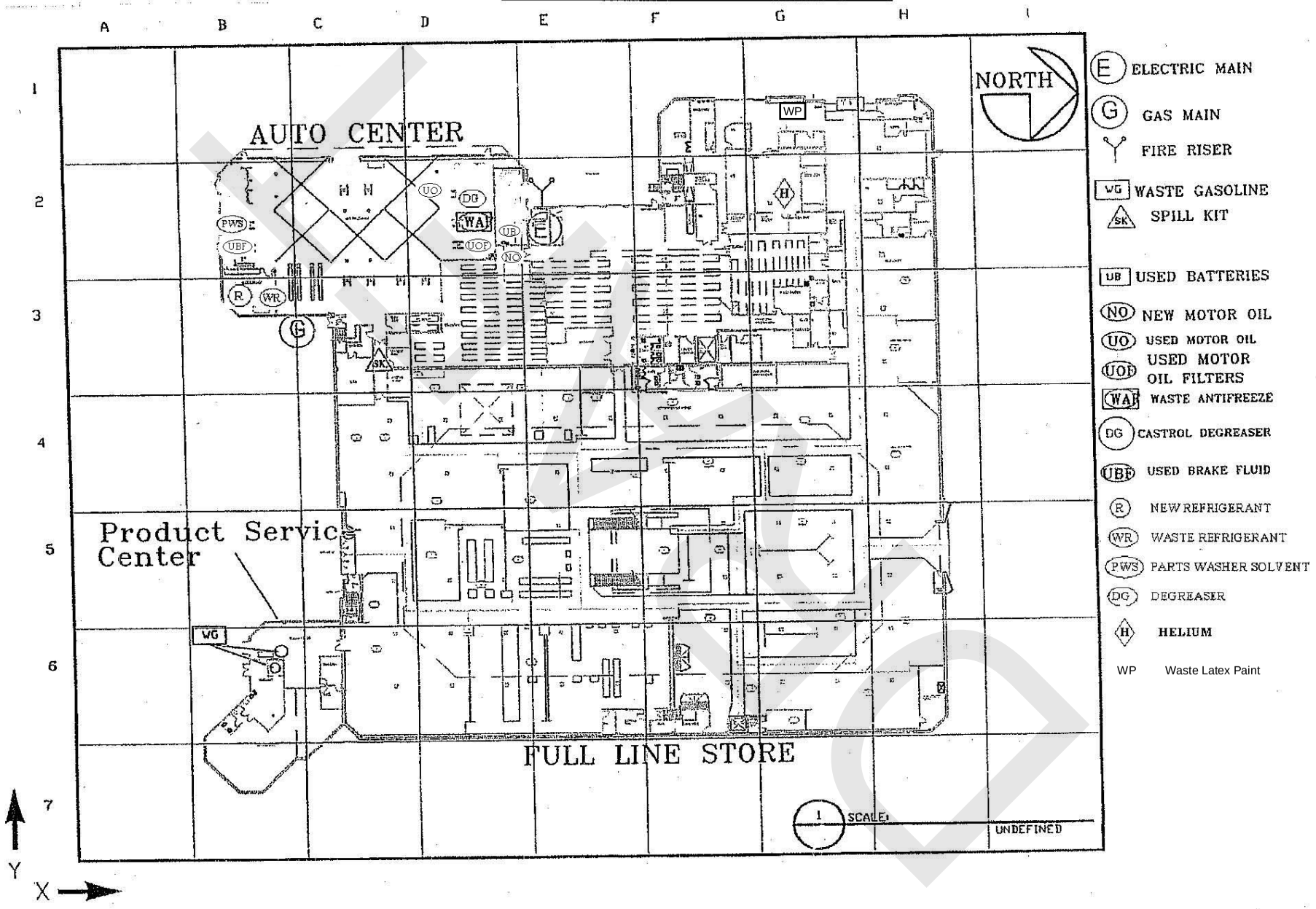
oUNDER o COMB o EXEMPT

o CARC o EXPL o RAD o HTX o CGP o RS

o 1 o 2 o 3

WASTE

Sears 1638/6458/8358	Site Map	Address	100 Brea Mall Brea, CA 92821



SEARS HOLDINGS CORPORATION

INTEROFFICE MEMORANDUM

TO: Unit Manager(s)

Unit: #1638 / 6458 / 8358 - Brea, CA

FILE COPY

FROM: Michael Olsen, Director, Environmental Affairs

DATE: 3/17/2009

SUBJECT: Hazardous Materials Business Plan (HMBP)

Enclosed is your stores' "Hazardous Materials Business Plan" prepared on your behalf by Burns & McDonnell and authorized by Sears Holdings Environmental Affairs

Please review the plan and make sure the training requirements that are detailed in the plan are followed. This plan must be attached as an addendum to your unit's Emergency Action Plan (EAP). The EAP must be created on the Sears Loss Prevention Intranet page and printed for retention. Follow the instructions on the EAP for distribution and retention One additional copy of your EAP with the attached Hazardous Materials Business Plan must be retained in the yellow "Environmental Records" folder per state requirements Please ensure these plans are retained as required by the State.

If you receive any correspondence regarding fees or renewal of your Hazardous Materials Business Plan, please forward to my attention at the following address:

Michael Olsen
Sears Holdings Management Co.
3333 Beverly Road B5 362A
Hoffman Estates, Illinois 60179
Phone: (847) 286-7222
Fax: (847) 286-6786

DRAFT

February 12, 2009

Sears Roebuck and Co.
Mr. Michael B. Olsen
B5-362A
3333 Beverly Road
Hoffman Estates, IL 60179

Hazardous Materials Business Plan
Sears #1638/6458/8358 – Brea, CA
100 Brea Mall Way

Dear Mr. Olsen:

Enclosed are the annual certification and the updated Hazardous Materials Business Plan forms for the above Sears facility. Please sign where indicated then forward them as soon as possible to the following address:

2/24

ATTN: Karen McCabney
Orange County Environmental Health
1241 E. Dyer Rd., Suite 120
Santa Ana, CA 92705

3/17 A copy of the plan must also be forwarded to the facility to be maintained on site and available for inspection at all times.

If you have any questions regarding this form, please contact me at (312) 223-0920 ext. 2235.

Sincerely,

Sindy Panagiotopoulos
Sindy Panagiotopoulos
Environmental Engineer

Enclosures

DRAFT

1431 Opus, Suite 400
Downers Grove, Illinois 60515
Tel: 630 724-3200
Fax: 630 724-3201
www.burnsmcd.com

HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

Hazardous Materials and Emergency Plan Certification Form

Please submit form by March 1, 2009
Facility ID#: *FA0025156*

Dear Business Owner,

Chapter 6.95 of the California Health and Safety Code requires that your Hazardous Materials Inventory and Business Emergency Plan (BEP) be reviewed and updated annually. If the information in your most recent chemical inventory submittal and Business Emergency Plan has not changed, this completed certification form meets the California requirements as specified in the Health and Safety Code, Chapter 6.95, Section 25503.3.

CHECK THE APPROPRIATE BOX AND SIGN THE FORM BELOW

ANNUAL HAZARDOUS MATERIALS INVENTORY REVIEW AND/OR UPDATE

- ☐ The information contained in the **hazardous materials inventory** most recently submitted to the Orange County Heath Care Agency **is complete, accurate, and up to date.** There has been no change in the quantities of hazardous materials, as reported in the most recently submitted inventory, AND no additional hazardous materials are in need of being reported.
  - o If you need to change ONLY the Emergency contact names and/or telephone numbers, please attach the CUPA form titled, "Owner/Operator Identification Form".
- ☒ The inventory as previously reported to the Orange County Heath Care Agency has changed. Attached is a complete set of inventory forms for all reportable hazardous materials present at the facility.

TRIENNIAL (3-YEAR) BUSINESS EMERGENCY PLAN REVIEW AND CERTIFICATION

- ☐ I certify that the **Business Emergency Plan,** a copy of which has been filed with the Orange County Health Care Agency has been reviewed and the information contained in it **is accurate and complete** as of the date indicated below.
- ☒ I certify that I have reviewed the Business Emergency Plan and have updated the following items and the form is attached:
  - o Emergency contact names and/or telephone numbers
  - o Site map
  - o Emergency procedures
  - o Other Information
- ☒ A complete Business Emergency Plan is included with this form.

I certify under penalty of law that our business has reviewed and is familiar with the information submitted to Orange County Heath Care Agency, and also certify that the forms submitted are true, accurate and complete.

DBA	PHONE	DATE
SEARS ROEBUCK & CO #6458	714) 256-7300	02 / 17 2009
BUSINESS ADDRESS	**CITY**	**ZIP**
100 BREA MALL	*BREA, CA*	*92821*
MAILING ADDRESS	**CITY**	**ZIP**
3333 Beverly Road, B5-362A	Hoffman Estates	60179
PRINT NAME OF OWNER/OPERATOR	**SIGNATURE OF OWNER/OPERATOR**	
Michael Olsen		

COUNTY OF ORANGE HEALTH CARE AGENCY / ENVIRONMENTAL HEALTH
1241 E DYER RD #120, SANTA ANA, CA 92705-4720
Telephone: (714) 433-6000 / FAX: (714) 754-1768

DRAFT

OC CUPA
1241 E. Dyer Road
Suite 120
Santa Ana
CA 92705
(714) 433-6000

UNIFIED PROGRAM CONSOLIDATED FORM
FACILITY INFORMATION

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	EPA ID # (Hazardous Waste Only)
3 0 1	CAD980892301 2

BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As) 3
Sears #1638/6458/8358

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility	If Yes, please complete these pages of the UPCF	
A. HAZARDOUS MATERIALS Have onsite (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to10 CFR Parts 30, 40 or 70?	☒YES ○NO4	✓ HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	○YES ☒NO5	✓ UST FACILITY (Formerly SWRCB Form A) ✓ UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	○YES ☒NO6	✓ UST FACILITY ✓ UST TANK (one per tank) ✓ UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank)(Formerly Form C)
3. Need to report closing a UST?	○YES ☒NO7	✓ UST TANK (closure portion--one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	○YES ☒NO8	NO FORM REQUIRED TO CUPAS
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	☒YES ○NO 9	✓ EPA ID NUMBER---provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	○YES ☒NO10	✓ RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste onsite?	○YES ☒NO11	✓ ONSITE HAZARDOUS WASTE TREATMENT - FACILITY (Formerly DTSC Form 1772) ✓ ONSITE HAZARDOUS WASTE TREATMENT - UNIT (one page per unit) (Formerly DTSC Forms 1772A,B,C,D, and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	○YES ☒NO12	✓ CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	○YES ☒NO13	✓ REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6 Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	○YES ☒NO14	✓ HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)
E LOCAL REQUIREMENTS Cal-ARP: California Accidental Release Prevention Program *H&SC Chapter 6.95, Article 2, §25531 et seq* ---Stationary Source with more than a Threshold Quantity of a Regulated Substance in a Process	○YES ☒NO15	4 REGULATED SUBSTANCE REPORTING FORM (Orange County CUPA)

DRAFT

Orange County Fire Authority

Hazardous Materials Inventory Statement

- Please type or print legibly in black ink.
- For line-by-line instructions, refer to the green colored pages of the disclosure packet
- If additional copies are necessary, this form may be reproduced.
- For assistance, contact the Disclosure Office at (714) 573-6250

I. IDENTIFICATION

OFFICIAL USE ONLY	1	BEGINNING DATE 100: 01/01/2009	ENDING DATE 101: 12/31/2009
BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: Sears #1638 / #6458 / #8358			BUSINESS PHONE 102: 714-256-7300/714-529-9393
BUSINESS SITE ADDRESS (Where chemicals are used/handled/stored) 103: 100 Brea Mall Way			
CITY 104: Brea		CA	ZIP CODE 105: 92821
DUN & BRADSTREET 106: 00-165-9955			SIC CODE (4 digit #) 107: 5399/7549/7699
COUNTY ORANGE			
BUSINESS OPERATOR NAME 109: Sears Roebuck and Co.			BUSINESS OPERATOR PHONE 110: 714-256-7300/174-529-9393

II. BUSINESS OWNER

OWNER NAME 111: Sears Roebuck and Co		OWNER PHONE 112: 847-286-7222
OWNER MAILING ADDRESS 113: 3333 Beverly Rd. B5-362A		
CITY 114: Hoffman Estates	STATE 115: IL	ZIP CODE 116: 60179

III. BILLING INFORMATION

CONTACT NAME 117: Michael Olsen		CONTACT PHONE 118: 847-286-7222
CONTACT MAILING ADDRESS 119: 3333 Beverly Rd. B5-362A		
CITY 114: Hoffman Estates	STATE 115: IL	ZIP CODE 116: 60179

IV. EMERGENCY CONTACTS

-PRIMARY	-SECONDARY
NAME 123: Scott DeNader	NAME 128: Shawn Richardson
TITLE 124: LP Manager	TITLE 129: Operations Manager
BUSINESS PHONE 125: 714-256-7300	BUSINESS PHONE 130: 714-256-7300
24-HOUR PHONE 126: 714-454-4042	24-HOUR PHONE 131: 626-786-0280
CELL or PAGER # 127:	CELL or PAGER # 132:

Additional Locally Collected Information: 133
(a) Please describe the main operation of your business: Retail, Auto Center, and Product Service Center
(b) Do you have a license to purchase commercial grade pesticides? _ Yes X No If yes, give number:

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134	NAME OF DOCUMENT PREPARER 135
	2/19/09	Sindy Panagiotopoulos, Agent for Sears

NAME OF SIGNER (print) 135	TITLE OF SIGNER 137	PHONE # OF PREPARER 138
Michael Olsen	Director of Environmental Affairs	847-286-7222

DRAFT

OC CUPA
2009 E Edinger Ave
Santa Ana
CA 92705
(714) 667-3600

UNIFIED PROGRAM CONSOLIDATED FORM
HAZARDOUS MATERIALS

HAZARDOUS MATERIALS INVENTORY
CHEMICAL DESCRIPTION
(one page per material per building or area)

☐ ADD ☐ DELETE ☒ REVISE 200 Page

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

FACILITY ID # 3 0 1 MAP # (optional) 1 203 GRID # (optional) E-2 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 207
Castrol Super Clean Tough Task (Floor Degreaser)

EHS ☐ Yes ☒ No 208

CAS # 209

If EHS is Yes, all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES *(Complete if required by CUPA)* 210
CORR

HAZARDOUS MATERIAL TYPE *(Check one item only)* ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE *(Check one item only)* ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER 55 215

FED HAZARD CATEGORIES *(Check all that apply)* ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 27 217

MAXIMUM DAILY AMOUNT 55 218

ANNUAL WASTE AMOUNT N/A 219

STATE WASTE CODE N/A 220

UNITS* *(Check one item only)* ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
*If EHS, amount must be in pounds

DAYS ON SITE 365 222

STORAGE CONTAINER *(Check all that apply)* 223
☐ a. ABOVEGROUND TANK ☒ a. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER _____
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1	5-10 (226)	2-Butoxyethanol (227)	☐ Yes ☒ No 228	111-76-2 (229)
2	1-5 (230)	Sodium xylenesulfonate (231)	☐ Yes ☒ No 232	1300-72-7 (233)
3	1-5 (234)	Sodium hydroxide (235)	☐ Yes ☒ No 236	1310-73-2 (237)
4	1-5 (238)	Nonylphenol ethoxylate (239)	☐ Yes ☒ No 240	127087-87-0 (241)
5	1-5 (242)	Sodium metasilicate pentahydrate (243)	☐ Yes ☒ No 244	6834-92-0 (245)

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION: 246

X _____
If EPCRA, Please Sign Here

DRAFT

ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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- For assistance, contact the Disclosure Office at (714) 573-6250.

☒ ADD ☐ DELETE ☒ REVISE

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located e.g. southwest corner of warehouse) 201
Full Line Store - Shipping/Receiving

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☒ Yes ☐ No 202

OFFICIAL USE ONLY | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Helium

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 207
Helium

EHS* ☐ Yes ☒ No 208

CAS # 7440-59-7 209

FIRE CODE HAZARD CLASSES (See green page 25) 210
NFG

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☐ b. LIQUID ☒ c. GAS 214

FED HAZARD CATEGORIES ☐ a. FIRE ☐ b. REACTIVE ☒ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 122 217

MAXIMUM AMOUNT 244 EHS MAX AMT IN POUNDS 218

MAX AMT CODE 219

AMT CODE 220

UNITS* ☐ a. GALLONS ☒ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 215
244

# of DAYS ON SITE 222
365

STORAGE CONTAINER (Check all that apply)

☐ a. ABOVEGROUND TANK	☐ f. PLASTIC CONTAINER	☐ k. BAG	☐ p. RAIL CAR	☐ u. TANKWAGON 223
☐ b. UNDERGROUND TANK	☐ g. METAL CONTAINER	☐ l. BOX	☐ q. SILO	☐ v. OTHER:
☐ c. PRESSURIZED TANK	☐ h. VAT	☒ m. CYLINDER	☐ r. TANK INSIDE	
☐ d. MAGAZINE	☐ i. IN MACHINERY	☐ n. GLASS CONTAINER	☐ s. CARBOY	
☐ e. DRUM	☐ j. ON TRUCK	☐ o. VARIOUS	☐ t. TOTE BIN	

STORAGE PRESSURE ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 226	227	☐ Yes ☐ No 228	229
2 230	231	☐ Yes ☐ No 232	233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) N/A
(f) Is a waste produced or left over after processing? ☐ Yes ☒ No
(g) How is the material used/What is the material used for? balloons

Signature

FOR OFFICE USE ONLY: ☐ UNDER ☐ COMB ☐ EXEMPT | ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS | ☐ 1 ☐ 2 ☐ 3

DRAFT

ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

- Please type or print legibly in black ink.
- This form may be reproduced or down loaded from our website at www.ocfa.org
- For line-by-line instructions, refer to the green colored pages.
- For assistance, contact the Disclosure Office at (714) 573-6250.

☐ ADD ☒ DELETE ☐ REVISE

Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located e.g. southwest corner of warehouse) 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

OFFICIAL USE ONLY 1 | MAP #: 203 | GRID #: 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☐ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME Parts Washer Solvent 207

EHS* ☐ Yes ☐ No 208

CAS # Mixture 209

FIRE CODE HAZARD CLASSES (See green page 25) FLIA, IRR, CORR 210

*If EHS is Yes, all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 15 217

MAXIMUM AMOUNT 30

EHS MAX AMT IN POUNDS 218

MAXIMUM DAILY AMT

STATE USE

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 30 215

# of DAYS ON SITE 365 222

STORAGE CONTAINER (Check all that apply)

☐ a. ABOVEGROUND TANK	☐ f. PLASTIC CONTAINER	☐ k. BAG	☐ p. RAIL CAR	☐ u. TANK WAGON 223
☐ b. UNDERGROUND TANK	☐ g. METAL CONTAINER	☐ l. BOX	☐ q. SILO	☐ v. OTHER:
☐ c. PRESSURIZED TANK	☐ h. VAT	☐ m. CYLINDER	☐ r. TANK INSIDE	
☐ d. MAGAZINE	☐ i. IN MACHINERY	☐ n. GLASS CONTAINER	☐ s. CARBOY	
☒ e. DRUM	☐ j. ON TRUCK	☐ o. VARIOUS	☐ t. TOTE BIN	

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)		EHS		CAS #	
1	226	See attached	227	☐ Yes ☐ No	228		229
2	230		231	☐ Yes ☐ No	232		233
3	234		235	☐ Yes ☐ No	236		237
4	238		239	☐ Yes ☐ No	240		241
5	242		243	☐ Yes ☐ No	244		245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled
(f) Is a waste produced or left over after processing? ☒ Yes ☐ No
(g) How is the material used/What is the material used for? Parts Cleaner

Signature

FOR OFFICE USE ONLY: ☐ UNDER ☐ COMB ☐ EXEMPT | ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS | ☐ 1 ☐ 2 ☐ 3

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ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3

SEARS #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located e.g. southwest corner of warehouse) 201

AUTO CENTER

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

OFFICIAL USE ONLY 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to Instructions

COMMON NAME WASTE ABSORBENT MATERIALS (SHOP RAGS) 207

EHS* ☐ Yes ☒ No 208

CAS # 209

FIRE CODE HAZARD CLASSES (See green page 25) 210

*If EHS is Yes, all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☒ a. SOLID ☐ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 215

AVERAGE DAILY AMOUNT	MAXIMUM AMOUNT	EHS-MAX AMT. IN POUNDS	ANNUAL WASTE AMOUNT	STATE WASTE CODE
25 (217)	54	218	216 (219)	223 (220)

UNITS* ☐ a. GALLONS ☐ b. CUBIC FEET 221 ☒ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 18 215

DAYS ON SITE 365 222

STORAGE CONTAINER (Check all that apply)

☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☐ e. DRUM ☐ f. PLASTIC CONTAINER ☒ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK ☐ k. BAG ☐ l. CAN ☐ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS ☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN ☐ u. TANK WAGON 223 ☐ v. OTHER: _____

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

PART	HAZARDOUS COMPONENT (common name only)		EHS	CAS #
1 226	ABSORBENT MATERIALS CONTAINING UNSPECIFIED OILLS	227	☐ Yes ☒ No 228	MIXTURE 229
2 230		231	☐ Yes ☐ No 232	233
3 234		235	☐ Yes ☐ No 236	237
4 238		239	☐ Yes ☐ No 240	241
5 242		243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No

(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No

(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma

(d) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) RECYCLED

Signature

FOR OFFICE USE ONLY: ☐ UNDER ☐ COMB ☐ EXEMPT | ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS | ☐ 1 ☐ 2 ☐ 3

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ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located. e.g. southwest corner of warehouse) 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

OFFICIAL USE ONLY 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Motor Oil

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 207
Motor Oil

EHS* ☐ Yes ☒ No 208

CAS # 209
Mixture

FIRE CODE HAZARD CLASSES (See green page 25) 210
CL

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 400 217 | MAXIMUM AMOUNT 830 | EHS-MAX AMT IN POUNDS 218

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 215
250

# of DAYS ON SITE 222
365

STORAGE CONTAINER (Check all that apply)
☒ a. ABOVEGROUND TAN ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☒ e. DRUM ☐ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK ☐ k. BAG ☐ l. BOX* ☐ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS ☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN ☐ u. TANK WAGON 223 ☐ v. OTHER: _____

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 95-98 226	Petroleum Oils 227	☐ Yes ☒ No 228	Mixture 229
2 230	231	☐ Yes ☐ No 232	233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246
(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled
(f) Is a waste produced or left over after processing? ☐ Yes ☒ No
(g) How is the material used/What is the material used for? Oil Change

Signature

FOR OFFICE USE ONLY: o UNDER o COMB o EXEMPT | o CARC o EXPL o RAD o HTX o CGP o RS | o 1 o 2 o 3

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ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3

SEARS #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201

AUTO CENTER

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

OFFICIAL USE ONLY 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206

If Subject to EPCRA, refer to instructions

COMMON NAME USED MOTOR OIL 207

EHS* ☐ Yes ☒ No 208

CAS # MIXTURE 209

FIRE CODE HAZARD CLASSES (See green page 25) CLIIIB, IRR 210

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 215

AVERAGE DAILY AMOUNT 250 217

MAXIMUM AMOUNT 500 | EHS-MAX AMT. IN POUNDS: 218

ANNUAL WASTE AMOUNT 3,000 219

STATE WASTE CODE: 221 220

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 500 215

DAYS ON SITE 365 222

STORAGE CONTAINER (Check all that apply)

☒ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☐ e. DRUM ☐ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK ☐ k. BAG ☐ l. BOX ☐ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS ☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN ☐ u. TANK WAGON 223 ☐ v. OTHER: _____

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT (Generic names only)		EHS	CAS #
1	95-98 226	PETROLEUM OILS	227	☐ Yes ☒ No 228	MIXTURE 229
2	34 230	LEAD	231	☐ Yes ☒ No 232	7439-92-1 233
3	31 234	LEAD DIOXIDE	235	☐ Yes ☒ No 236	1309-60-0 237
4	238		239	☐ Yes ☐ No 240	241
5	242		243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No

(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No

(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma

(d) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) RECYCLED

Signature

FOR OFFICE USE ONLY ☐ UNDER ☐ COMB ☐ EXEMPT ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS ☐ 1 ☐ 2 ☐ 3

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ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3

SEARS #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201

PRODUCT SERVICE CENTER-NORTH WALL,BEHIND OFFICE

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

OFFICIAL USE ONLY 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME WASTE GASOLINE 207

EHS* ☐ Yes ☒ No 208

CAS # 8006-61-9 209

FIRE CODE HAZARD CLASSES (See green page 25) 210
FLIA, IRR, CAR

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only): ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only): ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES: ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM AMOUNT 218	EHS-MAX AMT. IN POUNDS:	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
15	30		180	343

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 215: 0

OF DAYS ON SITE 222: 365

STORAGE CONTAINER (Check all that apply):

- ☐ a. ABOVEGROUND TANK
- ☐ b. UNDERGROUND TANK
- ☐ c. PRESSURIZED TANK
- ☐ d. MAGAZINE
- ☒ e. DRUM (STEEL)
- ☐ f. PLASTIC CONTAINER
- ☐ g. METAL CONTAINER
- ☐ h. VAT
- ☐ i. IN MACHINERY
- ☐ j. ON TRUCK
- ☐ k. BAG
- ☐ l. BOX
- ☐ m. CYLINDER
- ☐ n. GLASS CONTAINER
- ☐ o. VARIOUS
- ☐ p. RAIL CAR
- ☐ q. SILO
- ☐ r. TANK INSIDE
- ☐ s. CARBOY
- ☐ t. TOTE BIN
- ☐ u. TANK WAGON 223
- ☐ v. OTHER:

STORAGE PRESSURE: ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE: ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (Mixtures or trade name)	EHS	CAS #
1 226: 100	227: UNLEADED GASOLINE	☐ Yes ☒ No 228	229: 8006-61-9
2 230	231	☐ Yes ☐ No 232	233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No

(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No

(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma

(d) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Disposed by third party vendor

Signature

FOR OFFICE USE ONLY: ☐ UNDER ☐ COMB ☐ EXEMPT | ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS | ☐ 1 ☐ 2 ☐ 3

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ORANGE COUNTY FIRE AUTHORITY
Hazardous Materials Inventory Statement

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
SEARS #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
AUTO CENTER

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

OFFICIAL USE ONLY 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME USED ANTIFREEZE/COOLANT 207

EHS* ☐ Yes ☒ No 208

CAS # 209
MIXTURE

FIRE CODE HAZARD CLASSES (See green page 25) 210
CLIIIB, IRR, OHH

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217: 69

MAXIMUM AMOUNT: 138 EHS-MAX AMT IN POUNDS: 218

ANNUAL WASTE AMOUNT 219: 828

STATE WASTE CODE 220: 343

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 219: 8

DAYS ON SITE 222: 365

STORAGE CONTAINER (Check all that apply)
☒ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☐ e. DRUM ☐ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK ☐ k. BAG ☐ l. BOX ☐ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS ☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN ☐ u. TANK WAGON 223 ☐ v. OTHER:

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

#	%WT	HAZARDOUS COMPONENT (common name only)		EHS*	CAS #
1	80-36 (226)	ETHYLENE GLYCOL	227	☐ Yes ☒ No 228	107-21-1 (229)
2	0-8 (230)	DIETHYLENE GLYCOL	231	☐ Yes ☒ No 232	64742-65-0 233
3	234		235	☐ Yes ☐ No 236	237
4	238		239	☐ Yes ☐ No 240	241
5	242		243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246
(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(d) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) RECYCLED

Signature

FOR OFFICE USE ONLY ☐ UNDER ☐ COMB ☐ EXEMPT ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS ☐ 1 ☐ 2 ☐ 3

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ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3

SEARS #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located e.g. southwest corner of warehouse) 201

AUTO CENTER

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

OFFICIAL USE ONLY 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME USED BRAKE FLUID 207

EHS* ☐ Yes ☒ No 208

CAS # MIXTURE 209

FIRE CODE HAZARD CLASSES (See green page 25) CLIIIB, IRR 210

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 27.5 217

MAXIMUM AMOUNT: 55 EHS-MAX AMT. IN POUNDS: 218

ANNUAL WASTE AMOUNT: 330 219

STATE WASTE CODE: 343 220

UNITS* ☒ b. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 55 215

DAYS ON SITE 365 222

STORAGE CONTAINER (Check all that apply)

- ☐ a. ABOVEGROUND TANK
- ☐ b. UNDERGROUND TANK
- ☐ c. PRESSURIZED TANK
- ☐ d. MAGAZINE
- ☒ e. DRUM
- ☐ f. PLASTIC CONTAINER
- ☐ g. METAL CONTAINER
- ☐ h. VAT
- ☐ i. IN MACHINERY
- ☐ j. ON TRUCK
- ☐ k. BAG
- ☐ l. TRUCK
- ☐ m. CYLINDER
- ☐ n. GLASS CONTAINER
- ☐ o. VARIOUS
- ☐ p. RAIL CAR
- ☐ q. SILO
- ☐ r. TANK INSIDE
- ☐ s. CARBOY
- ☐ t. TOTE BIN
- ☐ u. TANK WAGON 223
- ☐ v. OTHER:

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT (If mixture, list ingredients)	EHS	CAS #
1	100 226	PROPRIETARY MIXTURE 227	☐ Yes ☒ No 228	MIXTURE 229
2	230	231	☐ Yes ☐ No 232	233
3	234	235	☐ Yes ☐ No 236	237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No

(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No

(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma

(d) How is the material disposed of? (Refer to Table #2 page 25 of the green pages) RECYCLED

Signature

REPORT OFFICE USE ONLY: ☐ UNDER ☐ COMB ☐ EXEMPT | ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS | ☐ 1 ☐ 2 ☐ 3

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ORANGE COUNTY FIRE AUTHORITY
Hazardous Materials Inventory Statement

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Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3

SEARS #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201

AUTO CENTER

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

OFFICIAL USE ONLY 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME USED MOTOR OIL FILTERS 207

EHS ☐ Yes ☒ No 208

CAS # MIXTURE 209

FIRE CODE HAZARD CLASSES (See green page 25) CLIIIB, IRR 210

"If EHS is Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☒ a. SOLID ☐ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 215

AVERAGE DAILY AMOUNT 217	MAXIMUM AMOUNT 218	EHS-MAX AMT. IN POUNDS:	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE: 220
55	110		660	221

UNITS*	LARGEST CONTAINER 223	# DAYS ON SITE 222
☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS	55	365

STORAGE CONTAINER (Check all that apply)

- ☐ a. ABOVEGROUND TANK
- ☐ b. UNDERGROUND TANK
- ☐ c. PRESSURIZED TANK
- ☐ d. MAGAZINE
- ☒ e. DRUM
- ☐ f. PLASTIC CONTAINER
- ☐ g. METAL CONTAINER
- ☐ h. VAT
- ☐ i. IN MACHINERY
- ☐ j. ON TRUCK
- ☐ k. BAG
- ☐ l. BOX
- ☐ m. CYLINDER
- ☐ n. GLASS CONTAINER
- ☐ o. VARIOUS
- ☐ p. RAIL CAR
- ☐ q. SILO
- ☐ r. TANK INSIDE
- ☐ s. CARBOY
- ☐ t. TOTE BIN
- ☐ u. TANK WAGON 222
- ☐ v. OTHER: _____

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

# WT.	HAZARDOUS COMPONENT (common name only)	EHS	CAS #
1 95-98 226	PETROLEUM OILS 227	☐ Yes ☒ No 228	MIXTURE 229
2 230	231	☐ Yes ☐ No 232	233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(d) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) RECYCLED

Signature

FOR OFFICE USE ONLY ☐ UNDER ☐ COMB ☐ EXEMPT ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS ☐ 1 ☐ 2 ☐ 3

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ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3

SEARS #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located e.g. southwest corner of warehouse) 201

AUTO CENTER

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☒ Yes ☐ No 202

OFFICIAL USE ONLY 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME USED LEAD WEIGHTS (TIRE ALIGNMENT) 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 207

EHS ☐ Yes ☒ No 208

CAS # 8006-91-6 209

FIRE CODE HAZARD CLASSES (See green page 25) 210

"If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☒ a. SOLID ☐ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ c. FIRE ☐ d. REACTIVE ☐ e. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM AMOUNT 218	EHS-MAX AMT IN POUNDS:	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
4	10		60	181

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 223: 1

DAYS ON SITE 222: 365

STORAGE CONTAINER (Check all that apply)

☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☐ e. DRUM ☐ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☒ i. IN MACHINERY ☐ ON TRUCK ☐ j. BAG ☐ k. [illegible] ☐ l. CYLINDER ☐ m. GLASS CONTAINER ☐ n. VARIOUS ☐ o. RAIL CAR ☐ p. SILO ☐ q. TANK INSIDE ☐ r. CARBOY ☐ s. TOTE BIN ☐ t. TANK WAGON ☒ u. OTHER Buckets

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

% WT	HAZARDOUS COMPONENT (Give chemical name only)	EHS	CAS #
1 100 226	LEAD 227	☐ Yes ☒ No 228	7439-92-1 229
2 230	231	☐ Yes ☐ No 232	233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(d) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) RECYCLED

Signature

FOR OFFICE USE ONLY ☐ UNDER ☐ COMB ☐ EXEMPT ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS ☐ 1 ☐ 2 ☐ 3

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ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3

SEARS #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located e.g. southwest corner of warehouse) 201

AUTO CENTER

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

OFFICIAL USE ONLY 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME USED LEAD ACID BAITERIES 207

EHS* ☐ Yes ☒ No 208
*If EHS is Yes, all amounts below must be reported in their physical state as well as pounds

CAS # MIXTURE 209

FIRE CODE HAZARD CLASSES (See green page 25) 210

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☒ a. SOLID ☐ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☐ a. FIRE ☒ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 438 217

MAXIMUM AMOUNT 2,920 | EHS-MAX AMT. IN POUNDS 218

ANNUAL WASTE AMOUNT 151,840 219

STATE WASTE CODE: 792 220

UNITS* ☐ a. GALLONS ☐ b. CUBIC FEET 221 ☒ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 26.5 215

DAYS ON SITE 365 222

STORAGE CONTAINER (Check all that apply)
☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☐ e. DRUM ☐ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK ☐ k. BAG ☒ l. BOX ☐ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS ☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN ☐ u. TANK WAGON 223 ☒ v. OTHER: Pallet

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

% WT	HAZARDOUS COMPONENT (mixtures/trade names)	EHS	CAS #
1 9 226	SULFURIC ACID 227	☐ Yes ☒ No 228	7664-93-9 229
2 34 230	LEAD 231	☐ Yes ☒ No 232	7439-92-1 233
3 31 234	LEAD DIOXIDE 235	☐ Yes ☒ No 236	1309-60-0 237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246

(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(d) How is the material disposed of? (Refer to Table #2 page 25 of the green pages) RECYCLED

Signature

FOR OFFICE USE ONLY ☐ UNDER ☐ COMB ☐ EXEMPT ☐ CARC ☐ EXPL ☐ RAD ☐ HTX ☐ CGP ☐ RS ☐ 1 ☐ 2 ☐ 3

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ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Auto Center

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

OFFICIAL USE ONLY 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
1,1,1,2-Tetrafluroethane

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 207
Refrigerant R-134A

EHS* ☐ Yes ☒ No 208

CAS # 209
811-97-2

FIRE CODE HAZARD CLASSES (See green page 25) 210
IRR

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☐ b. LIQUID ☒ c. GAS 214

FED HAZARD CATEGORIES ☐ a. FIRE ☐ b. REACTIVE ☒ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 30 217

MAXIMUM AMOUNT 60 EHS-MAX AMT IN POUNDS 218

EXTREMELY HAZARDOUS WASTE (EHW) 219

EXTREMELY HAZARDOUS WASTE (EHW) 220

UNITS* ☐ a. GALLONS ☐ b. CUBIC FEET 221 ☒ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 215
30

# of DAYS ON SITE 222
365

STORAGE CONTAINER (Check all that apply)
☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☐ e. DRUM ☐ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK ☐ k. BAG ☐ l. BOX ☒ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS ☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN ☐ u. TANK WAGON 223 ☐ v. OTHER: _____

STORAGE PRESSURE ☐ a. AMBIENT ☒ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 226	227	☐ Yes ☐ No 228	229
2 230	231	☐ Yes ☐ No 232	233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

Additional locally collected information:
(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material prepackaged for retail sale? ☐ Yes ☒ No
(c) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(d) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(e) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled
(f) Is a waste produced or left over after processing? ☐ Yes ☒ No
(g) How is the material used/What is the material used for? Auto Repair

Signature

FOR OFFICE USE ONLY: o UNDER o COMB o EXEMPT | o CARC o EXPL o RAD o HTX o CGP o RS | o 1 o 2 o 3

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ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Receiving (Hazardous Waste Storage Area)

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

Official use only | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME Waste Aerosols 207

EHS* ☐ Yes ☒ No 208

CAS # Mixture 209

FIRE CODE HAZARD CLASSES (See green page 25) 210
AERO-3, FG

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☒ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT: 33 217

MAXIMUM AMOUNT: 65 EHS-MAX AMT IN POUNDS 218

ANNUAL WASTE AMOUNT 195 219

STATE WASTE CODE 612 220

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 65 215

# of DAYS ON SITE 365 222

STORAGE CONTAINER (Check all that apply)
☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☒ e. DRUM ☒ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK ☐ k. BAG ☐ l. BOX ☐ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS ☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN ☐ u. TANK WAGON 223 ☒ v. OTHER: 12-16oz cans

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT		HAZARDOUS COMPONENT (For mixture or waste only)		EHS		CAS #	
1 100	226	Waste aerosol cans, unspecified	227	☐ Yes ☒ No 228		Mixture	229
2	230		231	☐ Yes ☐ No 232			233
3	234		235	☐ Yes ☐ No 236			237
4	238		239	☐ Yes ☐ No 240			241
5	242		243	☐ Yes ☐ No 244			245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246
(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(d) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled

Signature

FOR OFFICE USE ONLY: o UNDER o COMB o EXEMPT | o CARC o EXPL o RAD o HTX o CGP o RS | o 1 o 2 o 3

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ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Receiving (Hazardous Waste Storage Area) Full Line Store

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

Official use only | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME
Waste Corrosives- Acidic 207

EHS* ☐ Yes ☒ No 208

CAS # 209
Mixture

FIRE CODE HAZARD CLASSES (See green page 25) 210
CORR

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☐ a. FIRE ☒ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217
10

MAXIMUM AMOUNT: 20 EHS-MAX AMT IN POUNDS 218

ANNUAL WASTE AMOUNT 219
60

STATE WASTE CODE 220
135

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 215
20

# of DAYS ON SITE 222
365

STORAGE CONTAINER (Check all that apply)
☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☒ e. DRUM ☒ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK ☐ k. BAG ☐ l. BOX ☒ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS ☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN ☐ u. TANK WAGON 223 ☐ v. OTHER: _____

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT		HAZARDOUS COMPONENT (For mixture or waste only)		EHS	HAZARDOUS CLASS
1	226	Waste Acidic Corrosives, unspecified 227	☐ Yes ☒ No 228		Mixture 229
2	230	231	☐ Yes ☐ No 232		233
3	234	235	☐ Yes ☐ No 236		237
4	238	239	☐ Yes ☐ No 240		241
5	242	243	☐ Yes ☐ No 244		245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246
(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(d) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled

Signature

FOR OFFICE USE ONLY: o UNDER o COMB o EXEMPT | o CARC o EXPL o RAD o HTX o CGP o RS | o 1 o 2 o 3

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ORANGE COUNTY FIRE AUTHORITY

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Receiving (Hazardous Waste Storage Area)Full Line Store

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

Official use only | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to Instructions

COMMON NAME Waste Corrosives- Basic 207

EHS* ☐ Yes ☒ No 208

CAS # Mixture 209

FIRE CODE HAZARD CLASSES (See green page 25) 210
CORR

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☐ a. FIRE ☒ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT: 10 217

MAXIMUM AMOUNT: 20 EHS-MAX AMT IN POUNDS 218

ANNUAL WASTE AMOUNT: 60 219

STATE WASTE CODE 123 220

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 20 215

# of DAYS ON SITE 365 222

STORAGE CONTAINER (Check all that apply)
☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☒ e. DRUM ☒ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK ☐ k. BAG ☐ l. BOX ☐ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS ☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN ☐ u. TANK WAGON 223 ☐ v. OTHER: _____

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT		HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	226	Waste Basic Corrosives, unspecified 227	☐ Yes ☒ No 228	Mixture 229
2	230	231	☐ Yes ☐ No 232	233
3	234	235	☐ Yes ☐ No 236	237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246
(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(d) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled

Signature

FOR OFFICE USE ONLY: o UNDER o COMB o EXEMPT | o CARC o EXPL o RAD o HTX o CGP o RS | o 1 o 2 o 3

DRAFT

ORANGE COUNTY FIRE AUTHORITY

Hazardous Materials Inventory Statement

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- For assistance, contact the Disclosure Office at (714) 573-6250

☐ ADD ☐ DELETE ☒ REVISE 200

Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Receiving (Hazardous Waste Storage Area) Full Line Store

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

Official use only | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to Instructions

COMMON NAME 207
Waste Flammable Liquids

EHS* ☐ Yes ☒ No 208

CAS # 209
Mixture

FIRE CODE HAZARD CLASSES (See green page 25) 210
IRR, FL

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217: 33

MAXIMUM AMOUNT: 65 EHS-MAX AMT IN POUNDS 218

ANNUAL WASTE AMOUNT 219: 195

STATE WASTE CODE 220: 214

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 215: 65

# of DAYS ON SITE 222: 365

STORAGE CONTAINER (Check all that apply)
☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☒ e. DRUM
☒ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK
☐ k. BAG ☐ l. BOX ☐ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS
☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☒ t. TOTE BIN
☐ u. TANK WAGON 223 ☐ v. OTHER: _____

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT		HAZARDOUS COMPONENT (For mixture or waste only)		EHS		CAS	
1	226	Waste Flammable Liquids, unspecified	227	☐ Yes ☒ No	228	Mixture	229
2	230		231	☐ Yes ☐ No	232		233
3	234		235	☐ Yes ☐ No	236		237
4	238		239	☐ Yes ☐ No	240		241
5	242		243	☐ Yes ☐ No	244		245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246
(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(d) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled

Signature

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o CARC o EXPL o RAD o HTX o CGP o RS
o 1 o 2 o 3

ORANGE COUNTY FIRE AUTHORITY

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Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Receiving (Hazardous Waste Storage Area) Full Line Store

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

Official use only | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 205
If Subject to EPCRA, refer to instructions

COMMON NAME Waste Oxidizers 207

EHS* ☐ Yes ☒ No 209

CAS # Mixture 209

FIRE CODE HAZARD CLASSES (See green page 25) Ox 210

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☐ a. FIRE ☒ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 33 217

MAXIMUM AMOUNT: 65 EHS MAX AMT IN POUNDS 218

ANNUAL WASTE AMOUNT 195 219

STATE WASTE CODE 212 220

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 65 215

# of DAYS ON SITE 365 222

STORAGE CONTAINER (Check all that apply)
☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☒ e. DRUM ☒ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK ☐ k. BAG ☐ l. BOX ☐ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS ☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN ☐ u. TANK WAGON 223 ☐ v. OTHER: _____

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT		HAZARDOUS COMPONENT (For mixture or waste only)		EHS		CAS #	
1	226	Waste Oxidizers, unspecified	227	☐ Yes ☒ No	228	Mixture	229
2	230		231	☐ Yes ☐ No	232		233
3	234		235	☐ Yes ☐ No	236		237
4	238		239	☐ Yes ☐ No	240		241
5	242		243	☐ Yes ☐ No	244		245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246
(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
(b) Is this material a commercial grade pesticide? ☐ Yes ☒ No
(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(d) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled

Signature

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Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
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CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Receiving (Hazardous Waste Storage Area) Full Line Store

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

Official use only | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Propane

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 207
Waste Propane

EHS* ☐ Yes ☒ No 208

CAS # 209
74-98-6

FIRE CODE HAZARD CLASSES (See green page 25) 210
PG

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☐ b. LIQUID ☒ c. GAS 214

FED HAZARD CATEGORIES ☒ a. FIRE ☐ b. REACTIVE ☒ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT: 10 217

MAXIMUM AMOUNT: 20 EHS-MAX AMT IN POUNDS 218

ANNUAL WASTE AMOUNT: 60 219

STATE WASTE CODE: 612 220

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER: 20 215

# of DAYS ON SITE: 365 222

STORAGE CONTAINER (Check all that apply)
☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☒ e. DRUM ☒ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK ☐ k. BAG ☐ l. BOX ☒ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS ☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN ☐ u. TANK WAGON 223 ☐ v. OTHER: _____

STORAGE PRESSURE ☐ a. AMBIENT ☒ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT		HAZARDOUS COMPONENT (For mixture or waste only)		EHS	CAS #
1 >98	226	Liquefied propane gas 227	☐ Yes ☒ No 228		74-98-6 229
2	230	231	☐ Yes ☐ No 232		233
3	234	235	☐ Yes ☐ No 235		237
4	238	239	☐ Yes ☐ No 240		241
5	242	243	☐ Yes ☐ No 244		245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246
(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
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(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
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Sears #1638/6458/8358

CHEMICAL LOCATION (Where chemical is located, e.g. southwest corner of warehouse) 201
Receiving (Hazardous Waste Storage Area) Full Line Store

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☒ No 202

Official use only | 1 | MAP # 203 | GRID # 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME
Waste Toxics 207

EHS* ☐ Yes ☒ No 208

CAS # 209
Mixture

FIRE CODE HAZARD CLASSES (See green page 25) 210
Tox

*If EHS is "Yes", all amounts below must be reported in their physical state as well as pounds

TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

FED HAZARD CATEGORIES ☐ a. FIRE ☒ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217
33

MAXIMUM AMOUNT: 65

EHS-MAX AMT IN POUNDS 218

ANNUAL WASTE AMOUNT 219
195

STATE WASTE CODE 220
133

UNITS* ☒ a. GALLONS ☐ b. CUBIC FEET 221 ☐ c. POUNDS ☐ d. TONS

LARGEST CONTAINER 215
65

# of DAYS ON SITE 222
365

STORAGE CONTAINER (Check all that apply)
☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. PRESSURIZED TANK ☐ d. MAGAZINE ☒ e. DRUM ☒ f. PLASTIC CONTAINER ☐ g. METAL CONTAINER ☐ h. VAT ☐ i. IN MACHINERY ☐ j. ON TRUCK ☐ k. BAG ☐ l. BOX ☐ m. CYLINDER ☐ n. GLASS CONTAINER ☐ o. VARIOUS ☐ p. RAIL CAR ☐ q. SILO ☐ r. TANK INSIDE ☐ s. CARBOY ☐ t. TOTE BIN ☐ u. TANK WAGON 223 ☐ v. OTHER: _____

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT		HAZARDOUS COMPONENT (For mixture or waste only)		EHS	CAS #	
1	226	Waste Toxics, unspecified	227	☐ Yes ☒ No 228	Mixture	229
2	230		231	☐ Yes ☐ No 232		233
3	234		235	☐ Yes ☐ No 236		237
4	238		239	☐ Yes ☐ No 240		241
5	242		243	☐ Yes ☐ No 244		245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

Additional locally collected information: 246
(a) Is this material or any of its components a carcinogen (Refer to Attachment B)? ☐ Yes ☒ No
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(c) If this material is radioactive, what type of emitter is it? ☐ Alpha ☐ Beta ☐ Gamma
(d) How is the material disposed of? (Refer to Table #2, page 25 of the green pages) Recycled

Signature

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COUNTY OF ORANGE CERTIFIED UNIFIED PROGRAM AGENCY - CUPA
HEALTH CARE AGENCY / ENVIRONMENTAL HEALTH
1241 E. DYER ROAD, SUITE 120 SANTA ANA, CA 92705-4720
Telephone: (714) 433-6000 / FAX: (714) 754-1768

Please read the instructions prior to completing this Business Emergency Plan Print legibly in black ink or type the information Make a copy for your records Return the completed original forms, with UPCF Owner/Operator and Hazardous Materials reporting forms to:

County of Orange CUPA
1241 E. Dyer Road, Suite 120
Santa Ana, CA 92705

Mark one box only:

π New Business Emergency Plan (BEP)
π Updated BEP: Required review & update of BEP every three (3) years
π Updated BEP: Changes in business operation and/or personnel require new BEP with current information.

Business Name
Sears # 1638/6458/8358

Address
100 Brea Mall Way

I certify under penalty of law that I have personally examined and am familiar with the information submitted; and that the Business Plan submitted meets the requirements of Chapter 6.95 Heath & Safety Code & Title 19, §2729 *et seq.*

Owner/Operator Name (Print)	Signature	Date
Michael B. Olsen		2/19/09
BEP Prepared By (Print)	**Signature**	**Date**
Sindy Panagiotopoulos, Agent for Sears	Sindy Panagiotopoulos	2/12/2009

INCIDENT vs. RESPONSE

If you have a release or a threatened release of hazardous materials and require emergency response, call 911. If you have a release or threatened release that is not an Emergency as described here, then 911 can be omitted; go to the Notification requirement below.

Person responsible for calling 911:

A hazardous materials **Incident** is a spill or release that can be absorbed, neutralized or otherwise controlled at the time of release; and can be controlled by the employees in the immediate work area or by maintenance personnel without exposure or health & safety hazards.

A hazardous material **Response** requires a response effort by employees from outside the immediate release area, or by other designated responders (e.g. fire dept), to an occurrence that results, or is likely to result, in an uncontrolled release of a hazardous substance.

NOTIFICATION

Both **Incidents** and **Responses** are considered releases/spills for the purpose of notification. Your business shall provide an immediate, verbal report of any release or threatened release of a hazardous material to the Administering Agency and State OES as soon as: 1) a person has knowledge of the release or threatened release; and 2) notification can be provided without impeding immediate control of the release or threatened release. Those numbers are:

State Office of Emergency Services (OES):	(800) 852-7550 or (916) 845-8911
Orange County CUPA	(714) 433-6000

Person responsible for calling CUPA and OES: Manager on Duty

WHEN COMPLETING SECTIONS BELOW USE ADDITIONAL PAGES OR ATTACHEMENTS AS NEEDED

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1. Identify the local emergency medical facility that will be used by your business in the event of an accident or injury caused by a release or threatened release of hazardous materials:

Hospital/Clinic Brea Community Hospital			
Address 380 W. Central Ave.	City Brea	Zip Code 92821	Phone Number 714-529-0211

2. Does your business have an on-site emergency response team? π Yes X No
List Names & Titles of each person on response team.

3. Describe your business's procedures in the event of a release or threatened release of hazardous materials. Include all activities for the mitigation, prevention, or abatement of hazards to persons, property, or the environment such as:
   a) Actions taken to prevent a release from occurring.
   b) Actions or equipment to prevent a release from spreading.
   c) Actions for stopping a release.
   d) Methods for clean up and disposal of released materials.

   Include attachments as necessary

Prevention:

This facility stores and uses chemicals including, but not limited to, lead acid batteries (corrosives), combustible liquids (motor oils and ATF), and products that are irritants or that present other health hazards. Incompatible chemicals are separated by 20 feet or by one-hour separation, and are stored in their original containers. Batteries are stored in a designated rack or on a shrink-wrapped pallet in a well-ventilated room away from drains and sources of electricity. Flammable materials not for retail sale are stored in a flammables cabinet. Used materials are stored in properly labeled drums, and are also kept away from drains and sources of electricity.

Mitigation:

Employee response to a leak, spill, fire, explosion or airborne release is illustrated in the facility's Emergency Action Plan. Trained employees manage small spills (spills that can be safely handled by employees in the immediate vicinity) of identified chemicals as long as there are no threats to human life or the environment. The immediate spill area will be evacuated of nonessential personnel and customers. The appropriate Material Safety Data Sheets for spilled materials are consulted for proper guidance in handling the substance(s) and a spill kit is obtained. A spill boom and absorbents are used to immediately block the flow of liquids from entering any nearby drains. Proper PPE is donned before handling a spilled product. In the event of a large spill, fire or release that threatens human health and/or the environment, the local fire department and/or environmental health department will be contacted. In the event of a small fire, if it is safe to do so, a fire extinguisher may be used to extinguish the fire.

Abatement:

The proper disposal, spill and leak procedures for each hazardous material at the facility are detailed in the facility's Environmental Operations Manual. Trained employees will clean up spilled hazardous materials and place used absorbents in DOT approved containers. These containers will be properly labeled as directed in the Environmental Operations Manual and stored according to local, state and federal regulations Disposal containers must be kept in good condition and stored away from high traffic areas, electrical hazards, drains and fire exits. All hazardous waste materials will be disposed of by outside contractors at RCRA approved facilities.

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4. Describe your facility emergency notification and evacuation procedure. What communications or alarms are used? How do these operate during a power failure? Specify emergency exits and employee staging areas.

Notification/Alarm Procedures:

In the event of a fire or other emergency requiring off-site emergency-response, the designated emergency contacts will do the following:

1. Call 911 in order to notify the local fire department and emergency medical response personnel;
2. Notify on site response personnel;
3. Activate local alarm systems;
4. Notify Contra Costa Health Services/HazMat at 925-646-1112;
5. Notify State Officer of Emergency Services at 800-852-7550;
6. If the spill involves hazardous waste, notify CalEPA-DTSC;
7. Submit a written follow-up spill notification to State OES and Notify Orange County Health Services/HazMat;

Note: This facility does not have a designated medical emergency response facility or an on-site emergency response team. The designated emergency coordinator or the manager on duty is responsible for the above.

Evacuation Notification:

Depending on the severity of an emergency incident, a partial or complete evacuation will be ordered by the emergency coordinator. The emergency coordinator may use the PA system, telephones or verbal means to initiate evacuation procedures. Employees are instructed to escort customers through the nearest emergency exit and meet at the designated staging area in the store parking lot. Evacuation information is posted throughout the facility, including in employee break rooms. In the event that outside notification is required, the emergency coordinator will telephone the fire department and other applicable agencies.

In the emergency coordinator's absence, the designated manager will be responsible for his/her duties. If outside notification has occurred, re-entry will only be permitted once the all clear is given from the responding agency. If no outside notification has occurred, re-entry will be permitted when the manager on duty that it is safe to do so.

5) Identify all areas of the facility and mechanical or other systems that require immediate inspection or isolation because of their vulnerability to earthquake related ground motion.

Earthquakes:

Areas that require immediate attention following an earthquake include the following: any items that could fall, spill, break or move during an earthquake as well as hazardous materials and hazardous wastes in storage areas, utility lines and mains and hydraulic lift systems.

EMPLOYEE TRAINING PROGRAM – The training program shall, at a minimum, include:

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a) methods for safe handling of hazardous materials;
b) procedures for coordination with local emergency response organizations;
c) use of emergency response equipment and supplies under the control of the handler, and
d) implementation of the Business Emergency Plan and notification requirements.

Employee Training:

Employees receive a training guide that covers the handling of hazardous materials, environmental management procedures and risks and hazards in the workplace. New employees are trained on the proper storage and handling methods of hazardous materials during their orientation period. All employees are trained in the isolation of spills and how to prevent spilled materials from entering storm and sewer systems. In addition, employees are trained on the following topics: use of absorbent materials and neutralizers to control and clean up spills and leaks; proper labeling, marking, disposal and recording of hazardous wastes; fire prevention and response; response to medical emergencies. Annual refresher trainings are conducted, and safety meetings are held on as needed basis.

Management personnel are trained in the proper procedures for agency notification, emergency response and evacuation notification.

All employees are trained on the proper handling and storage of hazardous materials during their initial orientation. They are given en Employee-Right-To-Know Handbook and watch a video which describes the hazards that may occur in the workplace. Employees also become familiar with the emergency response plan, spill clean up procedures and evacuation procedures. Employees attend annual refresher courses and store management conducts safety tailgate meetings on an as needed basis.

Employee Training Documentation:

The Loss Prevention Manager is responsible for overseeing and conducting all employee training. The LP Manager may be reached at 714-256-7300.

Training records, including a description of the training and training dates and employee signatures, are retained for at least three years. All training documentation is available for review.

Material Safety Data Sheet/ Emergency Response Plan Location:

All managers have a copy of this emergency response plan. Employee training records are maintained in the Loss Prevention office and MSDSs are maintained in the HUB office.

Emergency Response Equipment:

The following equipment is available on site:

Safety Glasses
Rubber Gloves
Chemical Apron
Plumbed Eye Wash Station
Portable Eye Wash Kit
First Aid Kit(s)
Absorbents ("Safety Sorbent")
Acid Neutralizer
Spill Boom
Dustpan with Brush

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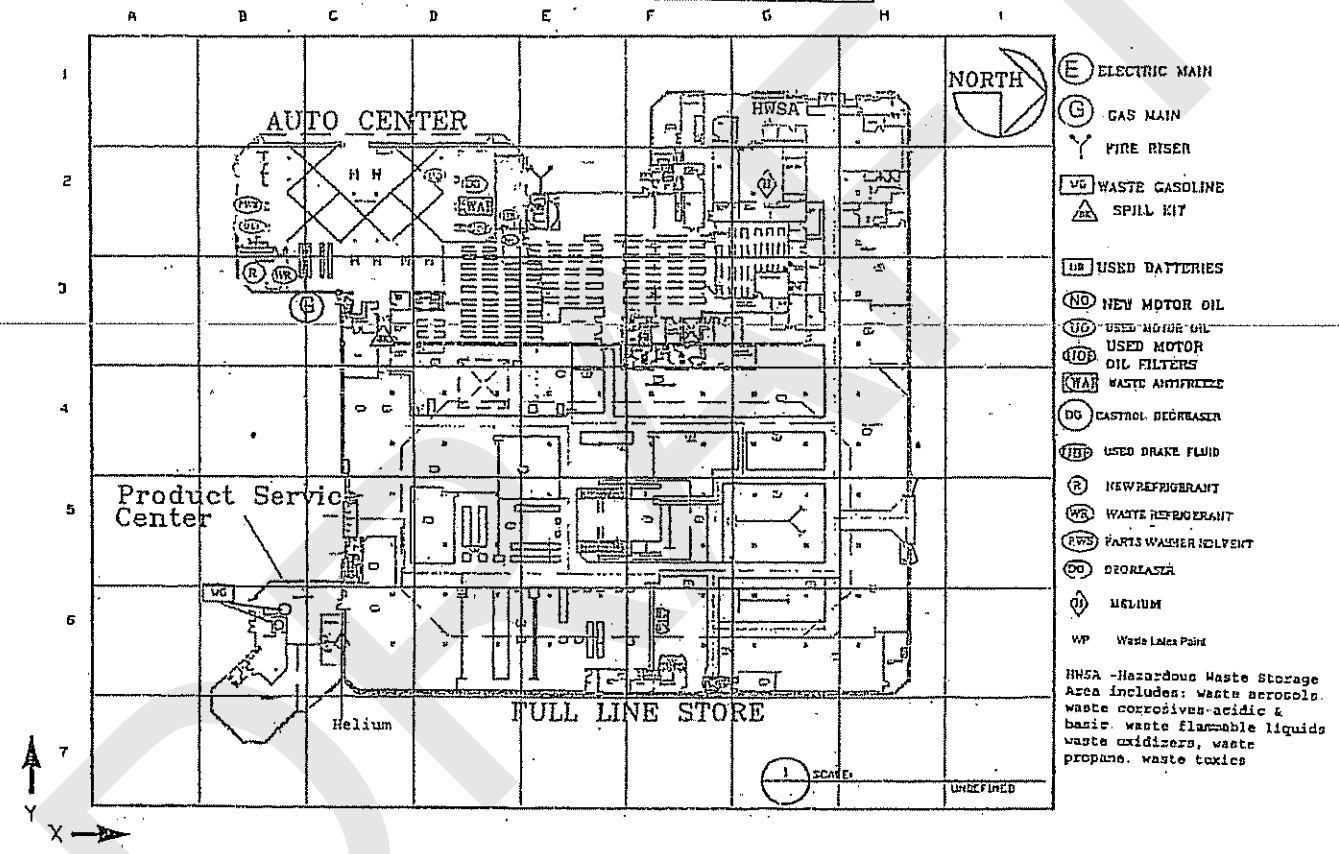
Sears 1638/6458/8358	Site Map	Address	100 Brea Mall Brea, CA 92821



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Gluchman, Mark

From: Panagiotopoulos, Stavroula [spanagiotopoulos@burnsmcd.com]
Sent: Wednesday, February 18, 2009 8:51 AM
To: Gluchman, Mark
Cc: 50794 Sears Compliance Calendar 2008
Subject: HMBPs-Due no later than March 1, 2009

Please see attached. Thanks!

Sindy Panagiotopoulos
Environmental Engineer
Burns & McDonnell Engineering
210 South Clark Street
Suite 2235
Chicago, IL 60603
P 312-223-0920 Ext. 2235
F 312-223-9664
M 708-203-5905

spanagiotopoulos@burnsmcd.com
www.burnsmcd.com
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"BLUE GOES GREEN!"

Please consider the environment before printing this e-mail

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INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

PR0046993

SEARS ROEBUCK & CO #6458
100 BREA MALL
BREA, CA 92821

Record ID: FA0025156
Inspection Date: 05/02/2013
Reinspection Date: 06/01/2013

Type of Facility: 5811-HAZ MAT DISCLOSURE 1-3 CHEMICALS
Service: F04-**FOLLOW-UP INSPECTION - OFF-SITE**

Mailing Address:
ORCHARD SUPPLY HARDWARE LLC
MIKE OLSEN
3333 BEVERLY RD
HOFFMAN ESTATES, IL 60192

Howard Mayo
HAZARDOUS WASTE SPECIALIST III
(714) 433-6242
7:00-9:00 AM
hmayo@ochca.com

U111 - BUSINESS EMERGENCY PLAN Failure to submit annual certification form by the specified due date (CA Health and Safety Code 25503.3)

Please submit the annual certification electronically through the E Submit Portal immediately.

COMMENTS

ZZZ9 - INSPECTOR COMMENTS
2013 BUSINESS EMERGENCY PLAN CERTIFICATION

Pursuant to California Health and Safety Code Chapter 6.95, businesses are required to certify chemical inventory annually, and your Business Emergency Plan every three (3) years.

In order to complete the certification please login to your e-Submit account at www.esubmit.ocgov.com. If you have forgotten your password, please email esubmit@ochca.com.

Once logged in, choose Brea HMBEP under Annual Certification. A summary appears with three black buttons. Review your submission first. If there are no changes, close the screen and choose Submit with no changes (Certify).

If changes have occurred, close the review screen and choose Amend prior to submission. Update the necessary pages, save, and choose confirm your submission located at the bottom of the page.

If you have not previously logged into the system and have not electronically submitted the required disclosure documents, you must visit www.esubmit.ocgov.com and request a user name and password to start the process.

Failure to complete and/or certify your chemical inventory and Business Emergency Plan will result in enforcement actions from this agency.

If you have any questions or require assistance, please contact esubmit@ochca.com or Bob Held at (714) 433-6244.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title COPY MAILED TO OWNER

Signature AND/OR FACILITY OPERATOR Date

7552 (v3.01) 5/2/2013

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INSPECTION REPORT

County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

PR0029526

SEARS ROEBUCK & CO #6458
100 BREA MALL
BREA, CA 92821

Record ID: FA0025156
Inspection Date: 11/06/2013
Reinspection Date:

Type of Facility: 5112-HAZARDOUS WASTE GENERATOR
11-25 EMPLOYEES
Service: F03-**FOLLOW-UP INSPECTION**
Bob Held
HAZARDOUS WASTE SPECIALIST III
(714) 640-9518
7:00-10:00 AM
bheld@ochca.com

Mailing Address:
ORCHARD SUPPLY HARDWARE LLC
MIKE OLSEN
3333 BEVERLY RD
HOFFMAN ESTATES, IL 60192

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

On-site for a follow up inspection. Met with Carlos Gonzalez and obtained consent to conduct the inspection.

Abate violation W044 from the previous inspection report. The light bulbs and tubes have been disposed of as requested.

Observed the hazardous waste storage area this date. All containers are labeled and the area appears in good order.

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I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____

Phase I Environmental Site Assessment

Sears Store # 1638/6458

100 Brea Mall

Brea, Orange County, California

October 27, 2014

Terracon Project No. 60149256.1638/6458

DRAFT

Prepared for:

Sears Holdings Management Corporation
Hoffman Estates, Illinois

Prepared by:

Terracon Consultants, Inc.
Irvine, California

terracon.com

Terracon

Environmental ■ Facilities ■ Geotechnical ■ Materials

October 27, 2014

Sears Holdings Management Corporation
3333 Beverly Road, B5-350A
Hoffman Estates, IL 60179

Attn: Mr. Bruce Kaye
P: (847) 286-7810
E: Bruce.Kaye@searshc.com

Re: Phase I Environmental Site Assessment
Sears Store # 1638/6458
100 Brea Mall
Brea, Orange County, California
Terracon Project No. 60149256.1638/6458

Dear Mr. Kaye:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in accordance with ASTM 1527-13 and Terracon Proposal No. PA2140020 dated September 9, 2014.

If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.

Chandel L. Davis
Staff Scientist

Islam (Sami) R. Noaman, E.I.T
Environmental Professional

Carl A. Parten
Principal / Office Manager II

Attachments

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EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with Terracon Proposal No. PA2140020 dated September 9, 2014, and was conducted consistent with the procedures included in ASTM E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was conducted under the supervision or responsible charge of Islam (Sami) R. Noaman, E.I.T., Environmental Professional. Chandel L. Davis performed the site reconnaissance on September 30, 2014.

Findings

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is located at 100 Brea Mall, Brea, Orange County, California and consists of two one to two story retail and automotive center buildings totaling approximately 169,000-square-foot (SF). At the time of the site reconnaissance, the site was occupied by Sears, Sears Optical, Sear Automotive Center, Sears's Key Service, Sears Watch Repair, Crystal Empress gift shop, and a seasonal tax service. On-site operations include general automotive parts sales, service and maintenance, and typical household merchandise retail.

Historical Information

Based on a review of historical information, the site consisted of undeveloped land from as early as 1898 through 1963. By 1977, the site was developed with the existing building and has remained relatively unchanged through the present.

The surrounding properties consisted of undeveloped scrubland from as early as 1898 through 1963. By 1977 the Brea Mall building located to the northeast of the site and associated parking lots to the southeast and southwest of the site were developed. Surrounding properties have remained relatively unchanged, with the exception of additions to the existing Brea Mall in the late 1980s and early 1990s. Indications or RECs were not identified with the adjoining properties.

Records Review

Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site was identified in the regulatory databases. Sears Roebuck Co. #1638, identified on the site was identified as Facility Index System (FINDS), Resources Conservation and Recovery Act Small Quantity Generator (RCRA-SQG), EDR Exclusive Historical US Automotive Stations (EDR Hist Auto Stations), underground storage tank listing (UST), historical UST listing (UST), and Facility and Manifest Data listing

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(HAZNET). Based on a review of the EDR Hist Auto Stations listing, the site was listed as Sears Auto Center in the years 2010 and 2011. A review of the RCRA-SQG indicated the site was registered as a small quantity generator of RCRA regulated waste in 1996 and as a historical generator in the years 1994, 1995, and in 1986. Indications of reported violations or release were not reported. Based on a review of the HAZNET listing, waste streams generated on-site were not reported; however, disposal methods were identified as storage, bulking, and /or transfer off-site, with no treatment recovery. Based on review of client-provided information dated 2009 and 2011 including Hazardous Materials Business Plans, regulatory inspection reports, and various Orange County Certified Unified Program Agency (CUPA) forms, waste streams identified on-site were reported as floor detergent, liquefied gas (helium and propane), sodium hydroxide, sodium xylenesulfonate, nonyphenol etoxylate, sodium metasilicate pentahydrate, corrosive materials (acids/alkaline), parts washer solvent mixture, waste absorbent materials (shop rags), motor oil, used motor oil, waste gasoline, used antifreeze, used brake fluid, spent oil and gasoline filters, used lead waste (tire balancing), used acid batteries, tetraflouroethane, waste aerosols, waste flammable liquids, and waste oxidizers. It should be noted the site operated an automotive repairing center since 1977 through the present. A review of the HIST UST and UST listing indicated the site was equipped with a 500-gallon UST used for storing waste oil, which was installed in 1977. The historical UST was reportedly removed in 1988, and as discussed in Section 3.9. Evidence of subsurface impact associated with the historical UST was not identified. The 500-gallon waste oil UST does not represent a REC in connection with the site. The remaining identified facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, anticipated depth to groundwater within the site vicinity (approximately 90 feet bgs) and/or distance from the site.

Site Reconnaissance

One emergency generator, two hydraulic elevators, four air compressors, one solid waste compactor, one cardboard baler, two ASTs, multiple containers ranging in size from 1- to 55-gallon, two MSDSs, multiple interior floor drains, three pad-mounted transformers, one solid waste dumpsterand baler were observed on site. Based on site reconnaissance, RECs were not identified associated with the aforementioned features.

Based on site reconnaissance, RECs were identified associated with the current site operations and include:

- Five in-ground hydraulic lift units were observed during the site reconnaissance. The lifts were located in the automotive service center. Based on the evidence of TPH concentrations reported for a lift unit removed in 2007 (Section 3.9), the in-ground hydraulic lift units apear to constitute an REC in connectionwith the site.

- One four stage oil/water separator was observed to the west of the automotive service center building during the site reconnaissance. The oil/water separator date of

construction is unknown, but is believed to have been installed in approximately 1977 during the construction of the automotive repair center. Based on the use of petroleum and halogenated solvents typically associated with automotive operations, and the subsurface nature of the oil/water separator, the oil water separator represents a REC in connection with the site.

Previous Reports

Petroleum Industry Consultants, Inc. (PIC) completed a letter report for the removal of a 550-gallon waste oil UST located south of the existing oil/water separator. On September 30, 1988 and subsequent to the UST removal, under the supervision of the Orange County Fire Authority and Orange County Environmental Health Department (OCEDH), PIC collected one confirmation sample from the bottom of the tank excavation at a depth of 10 feet below ground surface (P1) and one sample from the soils stockpile (SP1), generated from excavation activities. Soil samples were analyzed for total petroleum hydrocarbons (TPH), and analytical results exhibited a TPH concentration of 27 milligram per kilogram in SP1, and P1 did not exhibit a TPH concentration above the laboratory method detection limits. Soil samples were not analyzed for volatile organics or metals. The PIC letter concluded that the laboratory results indicated no significant release.

MACTEC completed the hydraulic lift system removal, documented in a report dated March 3, 2008. The report indicated removal activities were performed from July 31 to August 2, 2007. A total of eight soil samples were field screened utilizing a Petroflag® kit system at the time of the removal. These samples exhibited TPH concentrations ranging from 68 to 143 mg/kg. According to the MACTEC report, the Orange County Health Care Agency recommended threshold for TPH concentration was 1,000 mg/kg; however, MACTEC indicated the TPH threshold used in this project was 100 mg/kg. Subsequent to the lift system removal two end point samples (EP-1 through EP-4) were collected and analyzed for TPH and polychlorinated biphenyls (PCBs). Analytical results indicated that TPH and PCBs concentrations were not exhibited above laboratory method detection limits. Approximately 40 gallons of hydraulic oil and 9.4 tons of excavated soil were removed and disposed at off-site facilities. Based on the analytical results, MACTEC recommended no further action.

Adjoining Properties

The properties to the adjacent north consist of an asphalt-paved parking lot, the Brea shopping mall (1065 Brea Mall), and a four story parking garage and Image Auto Detailing (503 Brea Mall). The properties to the adjacent east consist of an asphalt-paved parking lot and Brea shopping mall (1065 Brea Mall) to the northeast. The properties to the adjacent south consist of an asphalt-paved parking lot followed by East Imperial Highway. The properties to the adjacent west consist of an asphalt-paved parking lot followed by South Randolph Avenue. Indications of RECs were not observed with the adjoining properties.

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Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E 1527-13 at 100 Brea Mall in Brea, Orange County, California, the site. The following recognized environmental conditions were identified in connection with the site:

- Five in-ground hydraulic lift units were observed during the site reconnaissance. The lifts were located in the automotive service center. Based on the evidence of TPH concentrations reported for a lift unit removed in 2007 (Section 3.9), the in-ground hydraulic lift units to constitute an REC in connection with the site.

- One four stage oil/water separator was observed to the west of the automotive service center building during the site reconnaissance. The oil/water separator date of construction is believed to have been installed in approximately 1977 during the construction of the automotive repair center. Based on the use of petroleum and halogenated solvents typically associated with automotive operations, and the subsurface nature of the oil/water separator, the oil water separator represents a REC in connection with the site.

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
SEARS STORE # 1638/6458
100 BREA MALL
BREA, ORANGE COUNTY, CALIFORNIA

Terracon Project No. 60149256.1638/6458

October 27, 2014

1.0 INTRODUCTION

1.1 Site Description

Site Name	Sears Store # 1638/6458
Site Location/Address	100 Brea Mall, Brea, Orange County, California
Land Area	Approximately 2.2-acres
Site Improvements	Improved with a one to two story retail and automotive center buildings totaling approximately 169,000-square-foot (SF).

The site location is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. A Site Diagram of the site and adjoining properties is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix B.

1.2 Scope of Services

This Phase I ESA was performed in accordance with Terracon Proposal No. PA2140020 dated September 9, 2014, and was conducted consistent with the procedures included in ASTM E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, user-provided information, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance or inability to review information not received by the report date. Where

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appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot completely eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records may not have been reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations and Significant Data Gaps

Based upon the agreed-on scope of services and the ASTM 1527-13 standard, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e. evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. This ESA was further limited by the following:

An evaluation of the significance of these limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations,

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or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of Sears Holdings Corporation, JPPII, LLC and JPP, LLC. Use or reliance by any other party is prohibited without the written authorization of Sears Holdings Corporation and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon's Master Services Agreement. The limitation of liability defined in the Master Services Agreement is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E 1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E 1527-13.

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1.6 Client Provided Information

Prior to the site visit, Mr. Bruce Kaye, Manager of Environmental Affairs of Sears, was asked to provide the following user questionnaire information as described in ASTM E 1527-13 Section 6.

Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Aware of any Environmental Cleanup Liens against the site.			X
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.			X
Aware of any Specialized Knowledge or Experience related to the site or nearby properties.			X
Actual Knowledge of a Significantly Lower Purchase Price because of hazardous substances or petroleum products.			NA
Commonly Known or Reasonably Ascertainable Information that is material to a release in connection with the site.			X
Obvious Indicators of Contamination at the site.			X

NA = Not applicable

With the exception of client-provided records summarized in Section 3.9, and attached in Appendix C, the client stated that he was not aware of other environmental information pertaining to the site. A copy of the User Questionnaire is included in Appendix C.

2.0 PHYSICAL SETTING

Physical Setting Information		Source
Topography (Refer to Appendix A for an excerpt of the Topographic Map)		
Site Elevation	Approximately 360 feet (NGVD)	USGS Topographic Map, La Habra Quadrangle, California, dated 1981, photorevised from 1964
Surface Runoff/ Topographic Gradient	Sloping towards the southwest	
Closest Surface Water	Craig Park Lake, approximately 2,934 feet south of the site	

Soil Characteristics		
Soil Type	Myford sandy loam	Orange County, CA USDA-NRCS Web Soil Survey issued September 19, 2014 Hydraulic Lift System Removal, Assessment and Site Remediation Report Sears Auto Center No. 6458, 100 Brea Mall, Brea, California 92821 prepared by: MACTEC, dated March 3, 2008
Description	Moderately well drained soils with 2 to 9 percent slopes. Alluvium derived from mixed. Typical soil profile beneath the site consist of stiff reddish-brown silty clay with traces clay.	
Geology/Hydrogeology		
Formation	Quaternary deposits (Q)	Geological Map of California, dated 2010
Description	Older alluvium, lake, playa, and terrace deposits.	
Estimated Depth to First Occurrence of Groundwater	Approximately 90 feet below grade surface (bgs).	Groundwater Elevation Contours Map for Principal Aquifer, Orange County, dated June 2012
*Hydrogeologic Gradient	Not known - may be inferred to be parallel to topographic gradient (primarily to the southwest).	

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify past uses for indications of RECs. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps

Readily available historical USGS topographic maps were reviewed to evaluate land development in connection with the site. Reviewed historical topographic maps are summarized below.

Anaheim, California, published **1898** (1:62,500)
Southern CA, California, published **1901** (1:250,000)
Corona, California, published **1902** (1:125,000)
Coyote Hills, California, published **1935** (1:31,680)
Anaheim, California, published **1942** (1:50,000)

La Habra, California, published **1950** and **1964** (1:24,000)
La Habra, California, published **1972** and **1981** photorevised from 1964 (1:24,000)

Historical Topographic Maps

Direction	Description
Site	Undeveloped land (1898-1950); an un-paved road intersects the site (1964); road is not depicted (1972); developed with existing building (1981).
North	Undeveloped land (1898-1950); an un-paved road runs from the site to the north (1964); former un-paved road is not depicted (1972); developed with existing building to the northeast (1981).
East	Undeveloped land (1898-1902); undeveloped land followed by a creek (1935-1964); undeveloped land followed by a road (1972); developed with existing building (1981).
South	Undeveloped land (1898-1902); undeveloped land followed by a road (1935-1950); an un-paved road runs from the site to the southeast (1964); former un-paved road is not depicted and a road runs from the northeast to the southwest (1972); developed with current road (1981).
West	Undeveloped land followed by a road (1898-1902); undeveloped land followed by a road and multiple structures (1935-1972); developed with current road (1981).

3.2 Historical Aerial Photographs

Selected historical aerial photographs from the United States Geological Survey (USGS) and United States Department of Agriculture (USDA) were reviewed at approximately 10 to 15 year intervals, if readily available, to obtain information concerning the history of development on and near the site. Evaluation of these aerials may be limited by a photo's quality and scale. Selected photographs are summarized below.

USGS, 1938, 1952, 1963, 1987, 1990, 1"=500'
Fairchild, 1947, 1"=500'
Teledyne, 1977, 1"=500"
USGS/DOQQ, 1995, 1"=500"
USDA/NAIP, 2005, 2009, 2010, 2012, 1"=500"

Historical Aerial Photographs

Direction	Description
Site	Undeveloped scrubland (1938-1952); undeveloped scrubland with an un-paved road running through the site (1963); developed with existing building (1977-2012).

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Direction	Description
North	Undeveloped scrubland (1938-1952); undeveloped scrubland with an un-paved road running north and south, and an un-paved road running east and west (1963); developed with asphalt-paved parking lot to the northwest, asphalt-paved parking lot and cleared land to the north, and multi-tenant shopping mall to the northeast (1977); former cleared land is developed with shopping mall addition (1987); developed with shopping mall addition to the north and existing parking garage to the northwest (1990-2012).
East	Undeveloped scrubland followed by creek (1938-1963); developed with asphalt-paved parking lot to the southeast, multi-tenant shopping mall to the northeast, and cleared land to the east (1977); former cleared land is developed with shopping mall addition (1987-2012).
South	Undeveloped scrubland (1938-1963); developed with asphalt-paved parking lot and existing roads (1977-2012).
West	Undeveloped scrubland followed by a road and multiple structures (1938-1963); developed with asphalt-paved parking and existing road (1977-2012).

3.3 Historical City Directories

The Haines North Orange County and Haines Orange County city directories used in this study were made available through Historical Information Gatherers (HIG) (selected years reviewed: Brea Mall 1981 through 2011, Imperial Highway 1971 through 2011, State College Boulevard 1986-2011) and were reviewed at approximate five-year intervals, if readily available. Since these references are copyright protected, reproductions are not provided in this report. City directories for the site were not listed prior to 1981. The current street address for the site was identified as 100 Brea Mall, Brea, Orange County, California.

Historical City Directories

Direction	Description
Site	**100 Brea Mall-** *Sears (1981-2011);* H&R Block (2011); Miracle-Ear (2011); Crystal Empress (2011); Sears Optical (2011).
North	Multi-tenant shopping center.
East	Multi-tenant shopping center.
South	**120 Brea Mall-** The Cheesecake Factory (2006-2011). **600 Brea Mall-** Magnolia's Peach (1986-1991); Creative Concepts (1991); Cornerstone Grill (1996); Airth Gizella (2002); BJ Restaurant and Brewery (2002-2011).
West	**1039 East Imperial Highway-** Name Brands Outlet (1981); Oak Gallery (1981); MacBeth's Stained Glass and Custom Framing (1986-1996); Two Wheeler Dealer (1986-2011); Fantastic Sam's (1986); Rockit Music (2002-2011). **1045 East Imperial Highway-** Phone Center Stores (1981); Entire Computer Center (1986-1991); Boot Barn (1996); Riddle Stuart (2002); Eastwood Insurance Service (2002-2011); Elegant Nails and Spa (2006-2011).

Sears Roebuck and Co. at the site address was identified in the city directories from 1981 through 2011 and was observed at the time of the site reconnaissance. Sears was also listed in the regulatory database reports and is further discussed in Section 4.1.

3.4 Historical Fire Insurance Maps

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. Based upon inquiries to the above-listed Sanborn provider, Sanborn maps were not available for the site.

3.5 Site Ownership

Based on a review of client provided information, the current site owner is Sears Roebuck & Co. Historical review information indicated that the site has been operated/ owned by Sears from 1981 through the present.

3.6 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.7 Environmental Liens

Environmental lien records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.8 Interview Regarding Current and Historical Uses

The following individual was interviewed regarding the current and historical use of the site.

Interviewee

Interviewer	Interviewee	Title	Date/Time
Chandel L. Davis	Mr. Jonathan Garcia	Building Technician	September 30, 2014 / 10:00 AM

At the time of the site reconnaissance Terracon interviewed Mr. Jonathan Garcia, a building technician for Sears. Mr. Garcia indicated that the site is owned by Sears Roebuck & Co. and has been operating as a Sears, Sears Optical, Sears Automotive, Sears Key Services, Sears Watch Repair, Crystal Empress gift shop, and a seasonal tax service. Mr. Garcia stated that he

was not aware of any boilers/ chillers, water treatment chemicals, septic tanks, water wells, grease traps, solvent baths, petroleum pipelines, underground tanks (USTs) on site. Mr. Garcia was not aware of any pending, threatened or past environmental litigation, proceedings or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the site.

3.9 Prior Report Review

Previous environmental reports for the site were not provided by the client to Terracon for review. A summary of the findings of these reports is provided below. This summary is based solely on the information provided in the referenced documents and Terracon offers no assessment regarding the quality, completeness and/or accuracy of the information provided. This information is being considered solely in the context of additional historical information made available for the site.

- Tank Removal Letter Report
  Sears Automotive
  100 Brea Mall, Brea, California 92821
  Prepared by: Petroleum Industry Consultants, Inc. (PIC)
  For: Orange County Environmental Health Department (OCEDH)
  Date: October 7, 1988

Petroleum Industry Consultants, Inc. (PIC) completed a letter report for the removal of a 550-gallon waste oil UST located south of the existing oil/water separator. On September 30, 1988 and subsequent to the UST removal, under the supervision of the Orange County Fire Authority and Orange County Environmental Health Department (OCEDH), PIC collected one confirmation sample from the bottom of the tank excavation at a depth of 10 feet below ground surface (P1) and one sample from the soils stockpile (SP1), generated from excavation activities. Soil samples were analyzed for total petroleum hydrocarbons (TPH), and analytical results exhibited a TPH concentration of 27 milligram per kilogram in SP1, and P1 did not exhibit a TPH concentration above the laboratory method detection limits. Soil samples were not analyzed for volatile organics or metals. The PIC letter concluded that the laboratory results indicated no significant release.

- Hydraulic Lift System Removal, Assessment and Site Remediation Report
  Sears Auto Center No. 6458
  100 Brea Mall, Brea, California 92821
  Prepared by: MACTEC
  For: Sears Holdings Management Corporation
  Date: March 3, 2008

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MACTEC completed a hydraulic lift system removal, documented in a report dated March 3, 2008. The report indicated removal activities were performed from July 31 to August 2, 2007. A total of eight soil samples were field screened utilizing a Petroflag® kit system at the time of the removal. These samples exhibited TPH concentrations ranging from 68 to 143 mg/kg. According to the MACTEC report, the Orange County Health Care Agency recommended threshold for TPH concentration was 1,000 mg/kg; however, MACTEC indicated the TPH threshold used in this project was 100 mg/kg. Subsequent to the lift system removal two end point samples (EP-1 through EP-4) were collected and analyzed for TPH and polychlorinated biphenyls (PCBs). Analytical results indicated that TPH and PCBs concentrations were not exhibited above laboratory method detection limits. Approximately 40 gallons of hydraulic oil and 9.4 tons of excavated soil were removed and disposed at off-site facilities. Based on the analytical results, MACTEC recommended no further action.

3.10 Historical Use Information Summary

Based on a review of historical information, the site consisted of undeveloped land from as early as 1898 through 1963. By 1977, the site was developed with the existing building and has remained relatively unchanged through the present.

The surrounding properties consisted of undeveloped scrubland from as early as 1898 through 1963. By 1977 the Brea Mall building located to the northeast of the site and associated parking lots to the southeast and southwest of the site were developed. Surrounding properties have remained relatively unchanged, with the exception of additions to the existing Brea Mall in the late 1980s and early 1990s. Indications or RECs were not identified with the adjoining properties.

4.0 RECORDS REVIEW

Regulatory database information was provided by EDR, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated, and the scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

Federal and State Databases

Database	Description	Radius (miles)	Listings
Federal			
NPL	The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.	1.0	0
NPL (Delisted)	The NPL (Delisted) refers to facilities that have been removed from the NPL.	0.5	0
CERCLIS	The CERCLIS database is a compilation of facilities which the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the CERCLA of 1980.	0.5	0
CERCLIS/ NFRAP	CERCLIS/NFRAP refers to facilities that have been removed and archived from EPA's inventory of CERCLA sites.	0.5	1
RCRA CORRACTS/ TSD	The EPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous waste that are undergoing "corrective action." A "corrective action" order is issued when there has been a release of hazardous waste or constituents into the environment from a RCRA facility.	1.0	0
RCRA Non-CORRACTS/ TSD	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.	0.5	0
RCRA Generators	The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.	0.1	2
IC / EC	A listing of sites with institutional and/or engineering controls in place. IC include administrative measures, such as	Site	0

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Database	Description	Radius (miles)	Listings
	groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. EC include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.		
ERNS	The Emergency Response Notification System (ERNS) is a listing compiled by the EPA on reported releases of petroleum and hazardous substances to the air, soil and/or water.	Site	0
State/Tribal			
RESPONSE	State Response Sites – Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.	1.0	0
ENVIORSTOR	The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.	0.5	6
CHMIRS	California Hazardous Material Incident Report System California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).	Site	0
SWF / LF	State and/or Tribal database of solid waste facilities located within California. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.	0.5	0
LUST	State and/or Tribal database of leaking underground storage tanks in state of California.	0.5	12
SLIC	The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.	0.5	0

HISTUST	Hazardous Substance Storage Container Database The Hazardous Substance Storage Container Database is a historical listing of UST sites.	0.25	5
SWEEPS	Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and Maintained by a company contacted by the SWRCB in the early 1990's.	0.25	2
UST/AST	State and/or Tribal database of registered storage tanks in the State of California which may include the owner and location of the tanks.	0.25	5
DRYCLEANERS	A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; dry-cleaning plants, except rugs; carpet and upholstery cleaning; industrial launderers; laundry and garment services.	0.25	3
IC/EC	State and/or Tribal equivalent to the Federal IC / EC database list.	Site	0
SWRCY	A listing of recycling facilities in California.	0.5	0
VCP	State and/or Tribal facilities included as Voluntary Cleanup Program sites.	0.5	0
Brownfields	State and/or tribal listing of Brownfield properties addressed by Cooperative Agreement Recipients or Targeted Brownfields Assessments.	0.5	0
HAZNET	The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 – 1,000,000 annually, representing approximately 350,000 – 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.	Site	1
EDR Historical Auto Station	EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.	0.25	5
EDR Historical Cleaners	EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in	0.25	3

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	EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.		

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

The site was not identified in the regulatory database review. The following table summarizes the information provided by the database and/or gathered by this office for identified facilities. Facilities are listed in order of proximity to the site. Additional discussion for selected facilities follows the summary table.

Listed Facilities

Facility Name And Location	Estimated Distance/Direction/Gradient	Database Listings
Sears #1638/6458/835	Site	FINDS
Sears Brea		RCRA-SQG
Sears Roebuck and Co. #1638 100 Brea Mall		EDR Hist Auto Stations, UST, HIST UST, HAZNET
California Cleaners 1027 E Imperial Highway	550 feet / Southwest / Down-gradient	DRYCLEANERS, RCRA-SQG
Wild West Cleaners 1080 E. Imperial Highway	900 feet / Southwest / Down-gradient	Orange County Industrial Site, DRYCCLEANERS, EDR Hist Cleaners.

<u>Sears Roebuck and Co. #1638</u>
Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site was not identified in the regulatory databases. The site was identified in the regulatory databases. Sears Roebuck Co. #1638, identified on the site was identified as Facility Index System (FINDS), Resources Conservation and Recovery Act Small Quantity Generator (RCRA-SQG), EDR Exclusive Historical US Automotive Stations (EDR Hist Auto Stations), underground storage tank listing (UST), historical UST listing (UST), and Facility and Manifest Data listing (HAZNET). Based on a review of the EDR Hist Auto Stations listing, the site was listed as Sears Auto Center in the years 2010 and

2011. A review of the RCRA-SQG indicated the site was registered as a small quantity generator of RCRA regulated waste in 1996 and as a historical generator in the years 1994, 1995, and in 1986. Indications of reported violations or release were not reported. Based on a review of the HAZNET listing, waste streams generated on-site were not reported; however, disposal methods were identified as storage, bulking, and /or transfer off-site, with no treatment recovery. Based on review of client-provided information dated 2009 and 2011 including Hazardous Materials Business Plans, regulatory inspection reports, and various Orange County Certified Unified Program Agency (CUPA) forms, waste streams identified on-site were reported as floor detergent, liquefied gas (helium and propane), sodium hydroxide, sodium xylenesulfonate, nonyphenol etoxylate, sodium metasilicate pentahydrate, corrosive materials (acids/alkaline), parts washer solvent mixture, waste absorbent materials (shop rags), motor oil, used motor oil, waste gasoline, used antifreeze, used brake fluid, spent oil and gasoline filters, used lead waste (tire balancing), used acid batteries, tetraflouroethane, waste aerosols, waste flammable liquids, and waste oxidizers. It should be noted the site operated an automotive repairing center since 1977 through the present.
A review of the HIST UST and UST listing indicated the site was equipped with a 500-gallon UST used for storing waste oil, which was installed in 1977. The historical UST was reportedly removed in 1988, and as discussed in Section 3.9. Evidence of subsurface impact associated with the historical UST was not identified. The 500-gallon waste oil UST does not represent a REC in connection with the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report listed 20 facilities in the unmapped section. Determining the location of unmapped facilities is beyond the scope of this assessment; however, none of these facilities were identified as the site or adjacent properties. These facilities are listed in the database report in Appendix D.

4.2 Local Agency Inquiries

4.2.1 Health Department/Environmental Division

The Orange County Department of Environmental Health (OCDEH) was contacted by fax regarding environmental records or information indicating environmental concerns for the site. At this time, a response from the agency is not available.

4.2.2 The City of Brea Fire Department

The City of Brea Fire Department (BFD) was contacted by fax via the City of Brea's City Clerk's Office. Please refer to client-provided information discussed in Section 4.1 for review of available records.

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4.2.3 Department of Toxic Substances Control

The Department of Toxic Substances Control (DTSC) was contacted by e-mail regarding environmental records for the site. On October 22, 2014, an electronic response from the DTSC indicated that no records available for the site; however, the DTSC response indicated the site was identified in the Generator Information Services Section. This information was previously discussed in Section 4.1.

4.2.4 South Coast Air Quality Management District (SCAQMD)

Terracon contacted the SCAQMD via the Facility Information Detail (FIND) online database regarding environmental information or information indicating environmental concerns for the site. A review of available records indicated the site is operation under an active permit to operate an emergency generator powered by natural gas. In addition, an inactive permit for CFC-12 recovery/recycling was identified in the FIND database. Outstanding compliance violations were not identified for the site.

4.2.5 Local/Regional Water Quality Agency

The Santa Ana Regional Water Quality Control Board was contacted by e-mail regarding environmental records for the site. On October 17, 2014, Terracon received a response from the agency indicating no records were available for the site.

4.2.6 The department of Conservation, Division of Oil, Gas & Geothermal Resources

Terracon completed a cursory review of records available at the Department of Conservation Division of Oil, Gas & Geothermal Resources (DOC – DOGGR) for the site. Based on a review of the DOC-DOGGR mapping system, oil wells were not identified to be located on the site.

4.3 Records Review Summary

Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site was identified in the regulatory databases. Sears Roebuck Co. #1638, identified on the site was identified as Facility Index System (FINDS), Resources Conservation and Recovery Act Small Quantity Generator (RCRA-SQG), EDR Exclusive Historical US Automotive Stations (EDR Hist Auto Stations), underground storage tank listing (UST), historical UST listing (UST), and Facility and Manifest Data listing (HAZNET). Based on a review of the EDR Hist Auto Stations listing, the site was listed as Sears Auto Center in the years 2010 and 2011. A review of the RCRA-SQG indicated the site was registered as a small quantity generator of RCRA regulated waste in 1996 and as a historical generator in the years 1994, 1995, and in 1986. Indications of reported violations or release

were not reported. Based on a review of the HAZNET listing, waste streams generated on-site were not reported; however, disposal methods were identified as storage, bulking, and /or transfer off-site, with no treatment recovery. Based on review of client-provided information dated 2009 and 2011 including Hazardous Materials Business Plans, regulatory inspection reports, and various Orange County Certified Unified Program Agency (CUPA) forms, waste streams identified on-site were reported as floor detergent, liquefied gas (helium and propane), sodium hydroxide, sodium xylenesulfonate, nonyphenol etoxylate, sodium metasilicate pentahydrate, corrosive materials (acids/alkaline), parts washer solvent mixture, waste absorbent materials (shop rags), motor oil, used motor oil, waste gasoline, used antifreeze, used brake fluid, spent oil and gasoline filters, used lead waste (tire balancing), used acid batteries, tetraflouroethane, waste aerosols, waste flammable liquids, and waste oxidizers. It should be noted the site operated an automotive repairing center since 1977 through the present. A review of the HIST UST and UST listing indicated the site was equipped with a 500-gallon UST used for storing waste oil, which was installed in 1977. The historical UST was reportedly removed in 1988, and as discussed in Section 3.9. Evidence of subsurface impact associated with the historical UST was not identified. The 500-gallon waste oil UST does not represent a REC in connection with the site. The remaining identified facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, anticipated depth to groundwater within the site vicinity (approximately 90 feet bgs) and/or distance from the site.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. Exhibit 2 in Appendix A is a Site Diagram of the site. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix E. Credentials of the individuals planning and conducting the site visit are included in Appendix F.

General Site Information

Site Reconnaissance	
Field Personnel	Chandel L. Davis
Reconnaissance Date	September 30, 2014
Weather Conditions	Sunny, 85° F
Site Contact/Title	Mr. Jonathan Garcia / Building Technician

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Building Description				
Building Identification	**Building Use**	**Approx. Construction Date**	**Number of Stories**	**Approx. Size (ft²)**
Sears Store #1638	Retail	1977	2	160,000
Sears Auto Center #6458	Automotive maintenance	1977	1	9,000
Site Utilities				
Drinking Water	City of Brea			
Wastewater	City of Brea			
Natural Gas	Southern California Gas Company			
Electricity	Southern California Edison			

5.2 Overview of Current Site Occupants and Operations

The site is located at 100 Brea Mall, Brea, Orange County, California and consists of two one to two story retail and automotive center buildings totaling approximately 169,000-square-foot (SF). At the time of the site reconnaissance, the site was occupied by Sears, Sears Optical, Sear Automotive Center, Sears's Key Service, Sears Watch Repair, Crystal Empress gift shop, and a seasonal tax service. On-site operations include general automotive parts sales, service and maintenance, and typical household merchandise retail.

5.3 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail following the table.

Site Characteristics

Category	Item or Feature	Observed or Otherwise Identified
Site Operations, Processes, and Equipment	Emergency generators	X
	Elevators	X
	Air compressors	X
	Hydraulic lifts	X
	Dry cleaning	
	Photo processing	
	Ventilation hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	

Category	Item or Feature	Observed or Otherwise Identified
	Heating and/or cooling systems	
	Other processes or equipment	X
Aboveground Chemical or Waste Storage	Aboveground storage tanks	X
	Drums, barrels and/or containers ≥ 5 gallons	X
	MSDS	X
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, catch basins and/or dry wells	
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators	X
	Pipeline markers	
	Interior floor drains	X
Electrical Transformers/ PCBs	Transformers and/or capacitors	X
	Other equipment	
Releases or Potential Releases	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris and/or other waste materials	X
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free floating product	
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	
	Wells	

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Site Operations, Processes, and Equipment

Emergency generators

One emergency generator was observed during the site reconnaissance. The generator was located in a central portion on the roof. The generator was fueled by natural gas. Surficial staining or releases were not observed on the concrete or in the vicinity of the emergency generator at the time of the visual reconnaissance. Based on site observations, the emergency generator does not appear to constitute a REC in connection with the site.

Elevators

Two hydraulic elevators were observed on the site. A freight elevator was observed near the loading dock on the north side of the site, and a passenger elevator was observed on the southeastern side of the site. The mechanical and hydraulic equipment for the elevators are located in rooms adjacent to the elevators on the first floor. According to Mr. Garcia, the elevator system is serviced by Schindler every couple months, and on an as needed basis. Mr. Garcia was not in possession of a key to the elevator equipment rooms. Mr. Garcia called a store manager to try and obtain a key to the equipment rooms, however the manager did not have a key either. Due to the absence of a key for the elevator equipment rooms, the base of the hydraulic equipment was not observed. Mr. Garcia was not aware of any maintenance or issues related to the elevators. Based on site observations and the interview with Mr. Garcia, the two elevators do not constitute a REC.

Air compressors

Four air compressors were observed on site. One compressor was located in the main retail building in the parts and service center, and the other three were located in the automotive repair center. One of the air compressors in the automotive service center was a small portable compressor. All three air compressors were located on concrete, and the air compressor in the main retail building has wood between the compressor and the concrete floor. Staining was observed beneath the two large air compressors located in the automotive building at the time of the site reconnaissance; however, absorbent was not observed. The staining appeared to be of *de minimis* status and does not appear to constitute a REC for the site at this time.

Hydraulic lifts

Five in-ground hydraulic lift units were observed during the site reconnaissance. The lifts were located in the automotive service center. Based on TPH concentrations reported for a lift unit remoed in 2007 (Section 3.9, the in-ground hydraulic lift units apear to constitute an REC in connectionwith the site.

Five above-gound hydraulic lift units were onbserved during the site reconnaisance within the autonmotive center service area. No subsurface componenets appeared to be associated with theese lift units. No evidence of hydraulic fluid releases were observed from the lifts at the time

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of the site visit. Based on site observations and absense of subsurface components, the above ground hydraulic lift units do not appear to constitute an REC to the site.

Other processes or equipment

One cardboard baler was observed on the northwest side of the site near the loading dock. The cardboard baler was located concrete flooring that seemed to be in good condition with no cracks. Surficial staining or releases were not observed on the concrete, or in the vicinity of the cardboard baler, at the time of the visual reconnaissance. Based on site observations, the cardboard baler does not appear to constitute a REC in connection with the site.

Aboveground Chemical or Waste Storage

Aboveground storage tanks

Two ASTs were observed on the site during the site reconnaissance. One approximately 120-gallon AST used for storing new oil was observed on the north side of the automotive service center. The AST was located on concrete pavement that appeared to be in good condition. No evidence of staining and/or releases was observed in the vicinity of the AST during site reconnaissance. One approximately 220–gallon AST used for storing used anti-freeze was observed on the north side of the automotive service center. The AST was located on concrete that appeared to be in good condition. Evidence of *de minimis* staining was observed in the vicinity of the AST. Based on site observations and pavement conditions, the *de minimis* staining does not appear to constitute a REC in connection with the site at his time.

Drums, barrels, and/or containers ≥ 5 gallons

The following containers were observed during the site reconnaissance:

Approximate Quantity	Capacity	Contents	Location
3	5-gallon	Floor stripper	Janitorial supply
3	5-gallon	Used dry cell batteries	Hazardous materials storage area
5	5-gallon	Paint	Maintenance room/ automotive service
1	55-gallon	Latex paint	Hazardous waste storage area
4	55-gallon	Hazardous waste storage	Hazardous waste storage area
3	45-gallon	Hazardous waste storage	Hazardous waste storage area
1	5-gallon	Floor finish	Janitorial supply closet
4	5-gallon	Hazardous materials spill kit	Hazardous materials storage area/ automotive service
1	5-gallon	Apparently empty	Janitorial closet

2	55-gallon	Degreaser	Automotive service center
6	55-gallon	New oil	Automotive service center
1	One cubic yard	Oil filters and oil waste	Automotive service center
1	10-gallon	Spill kit	Automotive service center
1	55-gallon	Oil waste	Automotive service center
2	5-gallon	Oily rags waste	Automotive service center
3	35-gallon	Oil waste	Automotive service center
2	5-gallon	Brake fluid	Automotive service center
1	55-gallon	Scrap metal	Automotive service center
3	35-gallon	Wheel weights	Automotive service center
3	55-gallon	Used oil	Automotive service center
2	35-gallon	Used oil/ gas storage	Hazardous materials storage area/ parts and service center main retail building
1	5-gallon	Lubricant	Automotive service center
1	10-gallon	Apparently empty	Automotive service center

The used gas and oil containers in the parts and service center in the main retail building were stored on a wood slab on top of concrete. The six new oil 55-gallon drums were located on wood pallets on top of concrete. One 5-gallon floor stripper was located on tile flooring. One 5-gallon used battery storage containers and the three 45-gallon hazardous materials storage containers were located on wood shelving approximately 4 feet off the ground. All of the other containers were stored on concrete flooring. Staining and/or releases were not observed during the site reconnaissance. Based on site observations, RECs were not identified.

MSDS

Material Safety Data Sheets were observed in the service and parts center in the main retail building, and in the automotive repair center during the visual reconnaissance. Matching of MSDS to the chemical storage observed on site was not performed as part of the scope of services.

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Underground Chemical or Waste Storage, Drainage or Collection Systems

Oil/water separators

One four stage oil/water separator was observed to the west of the automotive service center during the site reconnaissance. The oil/water separator date of construction is unknown, but is believed to have been installed in approximately 1977 during the construction of the automotive repair center. According to Mr. Garcia, the oil/water separator is used primarily for the automotive center operations. The oil/water separator receives automotive waste fluid from on-site operations and discharges it to the municipal sewer system. The condition of the tank and the current amount of product in the tank are unknown. The maintenance record of the oil/water separator was unavailable. Evidence of staining or surface releases was not observed in the vicinity of the oil/water separator at the time of the site reconnaissance. Based on the age of the oil/water separator and the absence of maintenance records, the oil water separator represents a REC in connection with the site.

Interior floor drains

Interior floor drains were observed at the following site locations: restrooms, janitorial supply, and the automotive service center. Staining and/or releases to the floor drains was not observed during the site reconnaissance. Potentially hazardous materials did not appear to be stored in the vicinity of the floor drains. Based on site observations, RECs were not identified.

Electrical Transformers/ PCBs

Transformers and/or capacitors

During Terracon's site visit, three pad-mounted transformer, owned and serviced by Southern California Edison (SCE) were observed on the site. No information with regard to PCB content of the transformer fluids was observed. Transformers contain mineral oil which may contain minor amounts of PCB and could be considered "PCB contaminated" (PCB content of 50-500 ppm).

SCE maintains responsibility for the transformers, and if the transformers were "PCB contaminated," the utility company is not required to replace the transformer fluids until a release is identified. However, no evidence of current or prior release was observed in the vicinity of the electrical equipment during the site reconnaissance. Based on site observations, RECs were not identified.

Releases or Potential Releases

Trash, debris and/or other waste materials

Trash and debris were observed near the trash compactor during the site reconnaissance. Based on visual observation (only of surface materials), approximately one half cubic yard of debris, which consisted of paper, cardboard, metal, wood, and plastic was observed. Leakage,

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spills or other releases from these materials were not observed during the visual reconnaissance. The debris materials did not appear to be hazardous in nature.

One approximately 15-cubic-foot solid waste disposal dumpster, serviced by Oak Leaf was observed on the northeast portion of the site near the automotive service center. Staining or noxious odors was not observed in the vicinity of the on-site dumpster.

One solid waste disposal compactor was observed on the northeast side of the site. The solid waste compactor is hydraulically operated and surficial staining was not observed on the paved surface beneath the hydraulic reservoir.

Based on site observations, the trash/ debris, solid waste dumpster, and solid waste compactor do not appear to constitute a REC in connection with the site at this time.

5.4 Site Reconnaissance Summary

One emergency generator, two hydraulic elevators, four air compressors, one solid waste compactor, one cardboard baler, two ASTs, multiple containers ranging in size from 1- to 55-gallon, two MSDSs, multiple interior floor drains, three pad-mounted transformers, one solid waste dumpster and baler were observed on site. Based on site reconnaissance, RECs were not identified associated with the aforementioned features.

Based on site reconnaissance, RECs were identified associated with the current site operations and include:

- Five in-ground hydraulic lift units were observed during the site reconnaissance. The lifts were located in the automotive service center. Based on the evidence of TPH concentrations reported for a lift unit removed in 2007 (Section 3.9), the in-ground hydraulic lift units apear to constitute an REC in connectionwith the site.

- One four stage oil/water separator was observed to the west of the automotive service center building during the site reconnaissance. The oil/water separator date of construction is unknown, but is believed to have been installed in approximately 1977 during the construction of the automotive repair center. Based on the age of the oil/water separator and the absence of maintenance records, the oil water separator represents a REC in connection with the site.

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6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

Adjoining Properties

Direction	Description
North	The properties to the adjacent north consist of an asphalt-paved parking lot, the Brea shopping mall (1065 Brea Mall), and a four story parking garage and Image Auto Detailing (503 Brea Mall).
East	The properties to the adjacent east consist of an asphalt-paved parking lot and Brea shopping mall (1065 Brea Mall) to the northeast.
South	The properties to the adjacent south consist of an asphalt-paved parking lot followed by East Imperial Highway.
West	The properties to the adjacent west consist of an asphalt-paved parking lot followed by South Randolph Avenue.

Indications of RECs were not observed with the adjoining properties.

7.0 DECLARATION

I, Islam (Sami) R. Noaman E.I.T., declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312

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APPENDIX A
EXHIBIT 1 – TOPOGRAPHIC MAP
EXHIBIT 2 – SITE DIAGRAM
EXHIBIT 3 - SITE DETAIL

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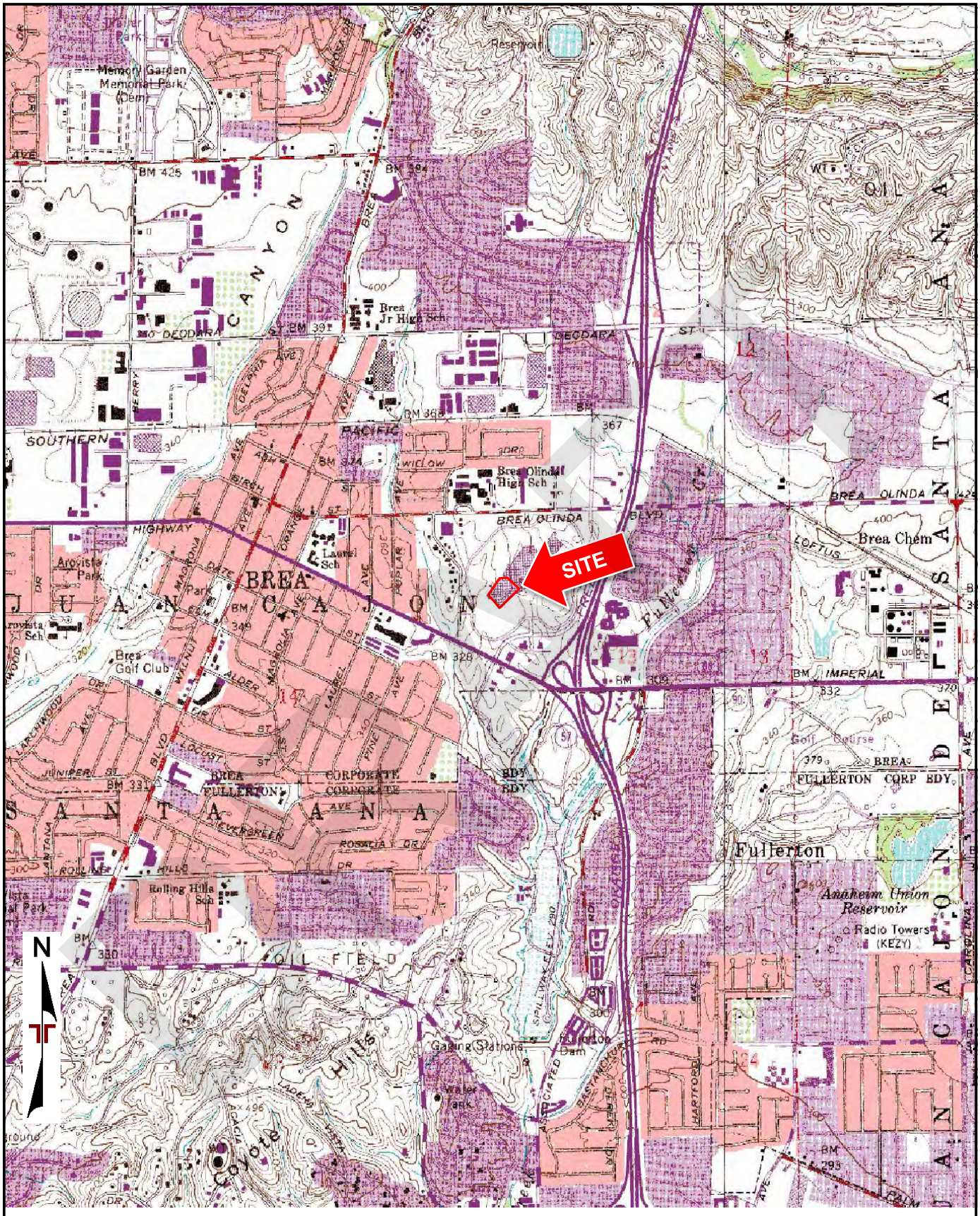
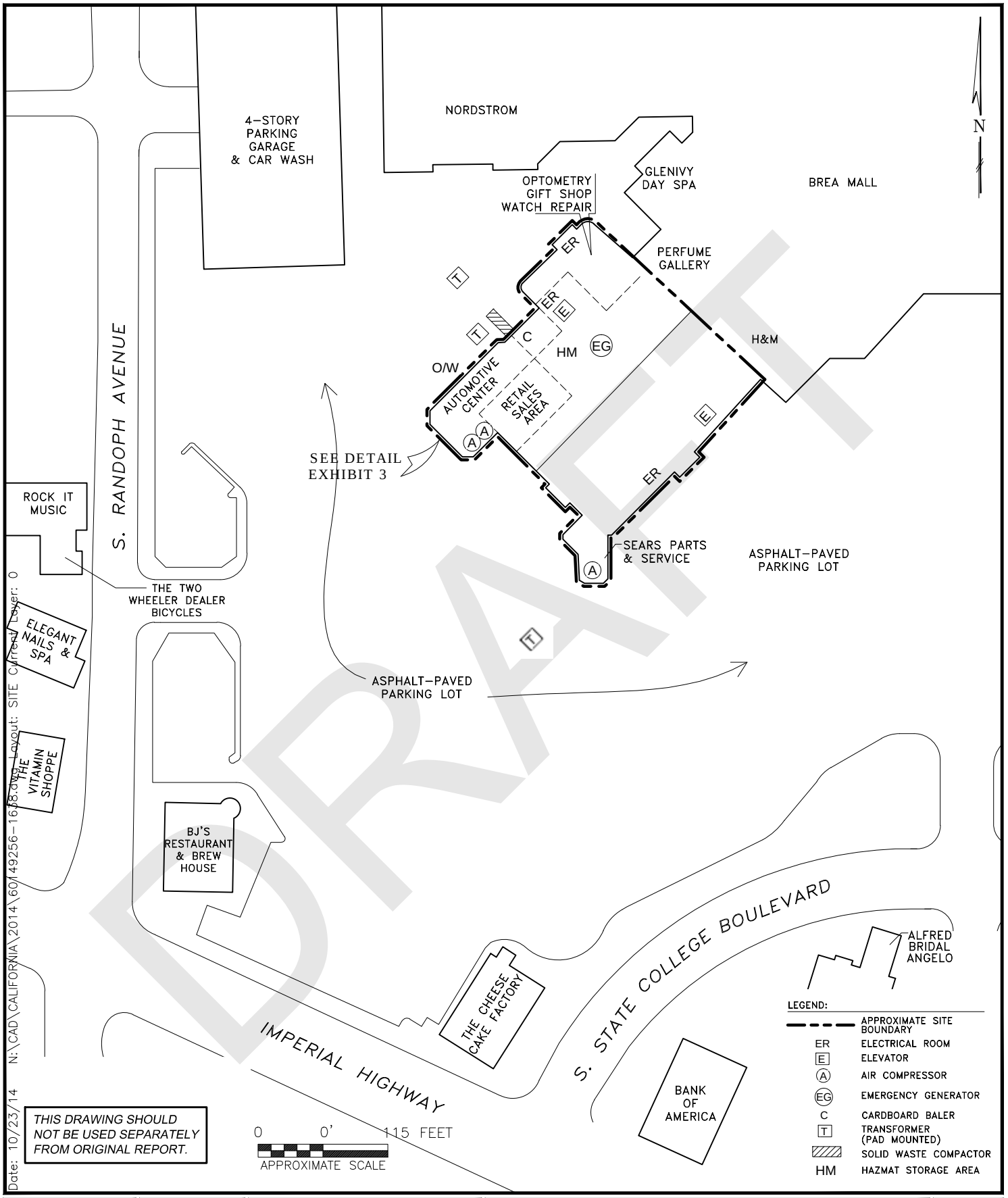
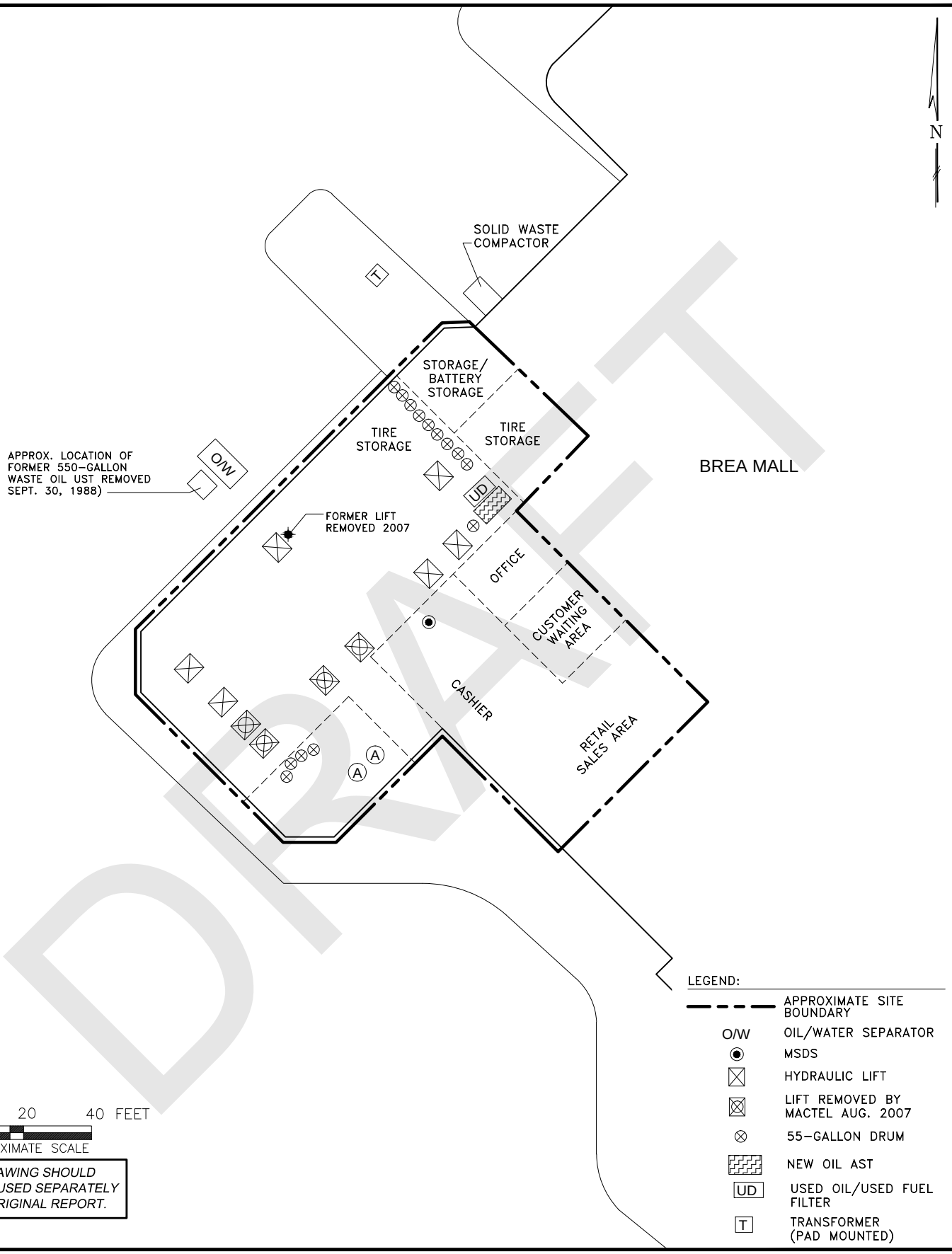


TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
QUADRANGLES INCLUDE: LA HABRA, CA (1/1/1981) and YORBA LINDA, CA (1/1/1981).

Project Manager: IRN	Project No. 60149256	Terracon 2817 MCGAW AVENUE Irvine, CALIFORNIA	TOPOGRAPHIC MAP	Exhibit
Drawn by: IRN	Scale: 1"=2,000'		Sears STORE #1638/6458 100 BREA MALL BREA, ORANGE COUNTY, CALIFORNIA	1
Checked by: CAP	File Name: NA			
Approved by: CAP	Date: OCT 2014			



Project Mngr: SN Drawn By: DLC Checked By: SN Approved By: SN	Project No. 60149256.1638 Scale: AS SHOWN Date: 10/16/2014	Terracon Consulting Engineers and Scientists 2817 McGAW AVENUE IRVINE, CALIFORNIA 92614 PH. (949) 261-0051 FAX. (949) 261-6110	SITE DIAGRAM SEARS STORE #1638/6458 100 BREA MALL BREA, ORANGE COUNTY, CALIFORNIA	EXHIBIT 2



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THIS DRAWING SHOULD NOT BE USED SEPARATELY FROM ORIGINAL REPORT.

Date: 10/23/14 N:\CAD\CALIFORNIA\2014\60149256-1638.dwg Layout: DETAIL Current Layer: 0

Project Mngr:	SN
Drawn By:	DLC
Checked By:	SN
Approved By:	SN
Project No.	60149256.1638
Scale:	AS SHOWN
Date:	10/16/2014

Terracon
Consulting Engineers and Scientists
2817 McGAW AVENUE IRVINE, CALIFORNIA 92614
PH. (949) 261-0051 FAX. (949) 261-6110

SITE DETAIL

SEARS STORE #1638/6458
100 BREA MALL
BREA, ORANGE COUNTY, CALIFORNIA

EXHIBIT 3

APPENDIX B
DESCRIPTION OF TERMS AND ACRONYMS

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Description of Selected General Terms and Acronyms

Term/Acronym	*Description*
ACM	Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining). Regulatory agencies have generally defined ACM as a material containing greater that one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable. Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.
AHERA	Asbestos Hazard Emergency Response Act
AST	Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CESQG	Conditionally exempt small quantity generators.
CFR	Code of Federal Regulations

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Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	*Description*
CREC	Controlled Recognized Environmental Condition is defined in ASTM E 1527-13 as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority) , with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report."
DOT	U.S. Department of Transportation
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a "solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."
HREC	Historical Recognized Environmental Condition is defined in ASTM E 1527-13 as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition."
ILP	Innocent Landowner/Operator Program
LQG	Large quantity generators.
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.

Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	*Description*
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/L	Pico Curies per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in Pico Curies per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor “action level” concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal (‘cradle to grave”). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA generators list is part of the RCRIS database maintained by EPA and lists facilities that generate hazardous waste as part of their normal business operations, as more particularly defined under Section 4.1 of this report.
RCRA CORRACTS/TSDs	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing “corrective action”. A “corrective action” order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non-CORRACTS/TSDs	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Conditions are defined by ASTM E1527-13 as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1)due to any release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions.”
SCL	State “CERCLIS” List (see SPL /State Priority List, below).

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Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	*Description*
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	National Priorities List, as more particularly described under the Records Review section of this report.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List.
SQG	Small quantity generator.
SWF	Solid Waste Facility
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-13, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound

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Term/Acronym	*Description*
Wetlands	Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The Corps of Engineers Wetlands Delineation Manual (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present. The federal Clean Water Act which regulates "waters of the US," also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.

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APPENDIX C
HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE

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In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfields Revitalization Act of 2001, the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. Failure to provide responses may result in significant data gaps, which may limit our ability to identify recognized environmental conditions. This form represents a type of interview and as such, the user has an obligation to answer all questions in good faith, to the extent of their actual knowledge.

Site Name: **Sears Holding Company Phase I ESA(s)**
Site Address: **Multiple Sites as noted in Terracon proposal A2140020 dated September 9, 2014**

1) Are you aware of any environmental cleanup liens against the site that are filed or recorded under federal, tribal, state or local law (40 CFR 312.25)? ___No ___Yes If yes, please explain.
No other than what is in the environmental information provided for the site

2) Are you aware of any activity and use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and / or have been filed or recorded in a registry under federal, tribal, state of local law.(40 CFR 312.26)? ___No ___Yes If yes, please explain.
No other than what is in the environmental information provided for the site

3) As the user of this ESA, do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312-28)? ___No ___Yes If yes, please explain.
No other than what is in the environmental information provided for the site

4) Does the purchase price being paid for this site reasonably reflect the fair market value of the site? If no, have you considered whether the lower purchase price is because contamination is known or believed to be present at the site (40 CFR 312.29)? ___No ___Yes If yes, please explain.
Not applicable

5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? ___No ___Yes If yes, please explain.
No other than what is in the environmental information provided for the site

6.) As the user of this ESA, based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence of likely presence of contamination at the site (40 CFR 312.31)? ___No ___Yes If yes, please explain.
No other than what is in the environmental information provided for the site

Request for Information and Documentation

In addition to the specific questions outlined above, the User is requested to provide the following information and documentation, as available. ASTM requires that this information be provided to the Environmental Professional prior to the site visit.

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AERIAL PHOTOGRAPHY PROVIDED BY USDA

Project Manager: IRN Drawn by: CLD Checked by: IRN Approved by: CAP	Project No. 60147865.1638 Scale: 1"=500' File Name: N/A Date: OCT 2014	Terracon 2817 McGaw Ave. Irvine, CA	AERIAL PHOTOGRAPH **SEARS STORE # 1638/6458** **100 Brea Mall** **Brea, Orange County, California**	YEAR 1938

AERIAL PHOTOGRAPHY PROVIDED BY USDA

Project Manager: IRN Drawn by: CLD Checked by: IRN Approved by: CAP	Project No. 60147865.1638 Scale: 1"=500' File Name: N/A Date: OCT 2014	Terracon 2817 McGaw Ave. Irvine, CA	AERIAL PHOTOGRAPH **SEARS STORE # 1638/6458** **100 Brea Mall** **Brea, Orange County, California**	YEAR 2012

1638 - Brea, CA
100 Brea Mall
Brea, CA 92821

Inquiry Number: 4071150.3
September 19, 2014

Certified Sanborn® Map Report

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6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

9/19/14

Site Name:
1638 - Brea, CA
100 Brea Mall
Brea, CA 92821

Client Name:
Terracon
2817 McGraw Ave
Irvine, CA 92606

EDR Inquiry # 4071150.3

Contact: Sami Noaman

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Terracon were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: 1638 - Brea, CA
Address: 100 Brea Mall
City, State, Zip: Brea, CA 92821
Cross Street:
P.O. # 1638
Project: 60149256
Certification # 27E1-47C5-BA79

Sanborn® Library search results
Certification # 27E1-47C5-BA79

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Research Summary for City Directory Abstract

Site Location:
100 Brea Mall
Brea, CA

HIG Project #:
148383

Date Completed:
10/2/2014

Conducted For:
Terracon Consultants, Inc.
Sacramento, CA

Historical Information Gatherers

HIG has produced a city directory abstract for one or more streets associated with the site location indicated above. The publications used to create the CD Abstract are listed below.

The information below is taken directly from the city directory books. The following are definitions as they are found in the Haines books:

XXXX = is no phone, no people or non-published phone.
600 XXXX = Correct address only. No other information.
X Streetname = intersecting cross street

Publication year, publisher and title.

2011 Haines North Orange County

2006 Haines North Orange County

2002 Haines North Orange County

1996 Haines North Orange County

1991 Haines North Orange County

1986 Haines Orange County

1981 Haines Orange County

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0 Brea Mall

2006	FUNCOLAND
2006	GARYS TUX SHOPS
2006	KAY JEWELERS
2006	NEXTEL RETAIL STORES INC
2006	RADIOSHACK
2006	SEES CANDIES
2006	WALDENBOOKS
2006	BORDERS EXPRESS
2002	GARYS TUX SHOPS
2002	WALDENBOOKS
2002	SEES CANDIES
2002	SEARS TUXEDOS GARYS TUX SHOPS
2002	SEARS PORTRAIT STUDIO
2002	REGIS SALON
2002	RADIOSHACK
2002	LETS TALK CLLLR&WRLSS INC
2002	GINGISS FORMALWEAR
2002	FOOT ACTION FAN CLB
2002	EXPRESS
2002	CACHE
2002	KAY JEWELERS
1996	BABBAGES SOFTWARE
1996	B DALTON BOOKSELLER
1996	A T&T COMPANY
1996	SEARS TUX DEN
1996	SOFTWARE ETC
1996	CACHE
1996	MOTHERHOOD
1996	KAY JEWELERS
1996	HOUSEHOLD FINANCE
1996	GINGISS FORMALWEAR
1996	FOOT ACTION FAN CLB
1996	EXPRESSLY PORTRAITS
1996	EXPRESS
1996	WALDENBOOKS
1991	SUNDAYS CHILD
1991	A T&T COMPANY
1991	B DALTON BOOKSELLER
1991	CACHE
1991	GINGISS FORMALWEAR
1991	HOUSEHOLD FINANCE
1991	MARTIN L GALLERIES
1991	MOTHERHOOD
1991	SHANNONS T SHIRTS
1991	SPENCER GIFTS

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1991	WESTMSTR LACE
1991	SOFTWARE ETC
1986	VIDEO GALAXY
1986	ANATOMY ASYLUM
1986	RICHARD SIMMONS
1986	BLOCK H&R
1986	MOTHERHOOD MATRNITY
1986	SIMMONS R ANATOMY
1986	GINGISS FORMALWEAR
1981	BREA MALL HOMERT
1981	VONDETTS MENS WEAR
1981	MOTHERHOOD MATRNTY
1981	MAGIC PAN RSTRNT
100 Brea Mall	
2011	SEARS OPTICAL
2011	CRYSTAL EMPRESS
2011	MIRACLE-EAR
2011	SEARS GENERAL INFORMATION
2011	H & R BLOCK
2006	SEARS
2002	SEARS
1996	SEARS
1991	SEARS
1986	SEARS
1981	SEARS
120 Brea Mall	
2011	THE CHEESECAKE FACTORY
2011	LOCK 1 SERVICES
2006	THE CHEESECAKE FACTORY
180 Brea Mall	
1996	RED ROBIN BRGR&SPRT
1991	RED ROBIN BRGR&SPRT
200 Brea Mall	
2011	BREA MLL BRDWLK SRF SKTE & SNW
2011	MACY'S THE MACY'S BREA
2011	MACY'S MACY'S WEST
2011	MACY'S DEPARTMENT STORES
2011	MACY'S BEA
2011	BREA MALL NATURALIZER WEST
2011	BREA MALL MACY'S
2011	BREA MALL CNTRY COLLECTION THE
2006	MACY'S
2006	MACY'S WEST BREA
2002	MACYS
1996	BROADWAY STR
1991	PIEKARSKI MARK J DR
1991	BROADWAY DEPT STORE
1986	BROADWAY DEPT STORE

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1986	PIEKARSKI MARK J DR
1981	PIEKARSKI MARK J DR
1981	BROADWAY DEPRTMNT
204 Brea Mall	
1996	1 POTATO 2 INC
1991	1 POTATO 2 INC
206 Brea Mall	
1996	HAAGEN DAZS ICE CRM
1991	HAAGEN DAZS ICE CRM
212 Brea Mall	
2011	PANDA EXPRESS
2006	PANDA EXPRESS
2002	PANDA EXPRESS
1996	PANDA EXPRESS
1991	PANDA EXPRESS
217 Brea Mall	
1996	XXXX
1991	CA FRIES
250 Brea Mall	
2011	RED LOBSTER RESTAURANTS
2006	RED LOBSTER RESTAURANTS
2002	RED LOBSTER RSTRNT
2002	SEAFOOD BROILER RESTAURANTS
1996	RED LOBSTER RSTRNT
1991	RED LOBSTER RSTRNT
1986	SEAFOOD BROILER
270 Brea Mall	
2011	OLIVE GARDEN ITALIAN REST BREA
2006	OLIVE GARDEN ITALIAN REST BREA
2002	OLIVE GARDEN REST
1996	OLIVE GARDEN REST
1991	OLIVE GARDEN RSTRNT
1991	OLIVE GARDEN REST
300 Brea Mall	
2006	ROBINSONS-MAY BREA
2002	ROBINSON MAY DEPARTMENT STORES
1996	ROBINSONS MAY
1996	ROBINSONS MAY TRVL
1991	GILHOOLYS REST&PUB
1991	MAY CO WRLD TRAVEL
1991	MAY CO FINE JEWELRY
1991	MAY CO
1986	MAY CO WRLD TRAVEL
1986	GILHOOLYS REST&PUB
1986	MAY COMPANY
1981	MAY CO WLRD TRVL BR
1981	MAY COMPANY
400 Brea Mall	

DRAFT

2011	JCPENNEY BREA MALL
2011	JCPENNEY OPTICAL
2011	JCPENNEY PORTRAIT STUDIO
2006	JC PENNEY OPTICAL
2002	J C PENNEY
1996	J C PENNEY
1991	XXXX
1986	ICE CAPADES CHALET
1981	BREA MALL ICE CAPAD
1981	ICE CAPADES CHALET
500 Brea Mall	
2011	NORDSTROM
2006	NORDSTROM
2002	NORDSTROM
1996	NORDSTROM
1991	NORDSTROM
1986	NORDSTROM
1981	NORDSTROM
562 Brea Mall	
2011	TROJAN DIVERSIFIED
600 Brea Mall	
2011	BJ'S RESTAURANT AND BREWERY
2006	BJ'S RESTAURANT AND BREWERY
2002	B J S RSTRNT&BRWHS
2002	AIRTH Gizella
1996	CORNERSTONE GRILL
1991	CREATIVE CONCEPTS
1991	MAGNOLIAS PEACH
1986	MAGNOLIAS PEACH
1000 Brea Mall	
1996	XXXX
1991	ZALES JEWELERS
1986	CRANDALL JOHN
1981	ROBERTS WM JEWELERS
1001 Brea Mall	
2011	GLEN IVY DAY SPA
2006	GLEN IVY DAY SPA
2002	WESTCOAST WIRELESS
2002	PAC BELL PCS STORE
1996	UNITD ARTISTS CNMA
1991	UNITD ARTISTS CNMA
1002 Brea Mall	
2011	MEN'S WEARHOUSE & TUX
1996	XXXX
1991	XXXX
1986	GREAT EXPECTATNS PR
1003 Brea Mall	
2011	ANTIE ANNE'S SOFT PRETZEL'S

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2006	AUNTIE ANNES PRTZLS
2002	AUNTIE ANNES PRTZLS
1996	AUNTIE ANNES PRTZLS
1991	HARDY SHOES
1004 Brea Mall	
2011	THE CHILDREN'S PLACE
2006	CHILDREN'S PLACE THE
2002	JUST SPORTS
1996	PRO IMAGE THE
1991	BREA PETS
1005 Brea Mall	
2002	WIZARDS OF THE COAST
1996	XXXX
1991	CARD AMERICA
1991	SUMMIT CORP THE
1986	FLIPPER FLAPPER
1981	BREA MALL FLIP FLAP
1981	FLIPPER FLAPPER
1006 Brea Mall	
2011	BEACHWORKS
2011	AMER EAGLE OUTFITTERS
2006	AMER EAGLE OUTFITTERS
2006	BEACH ACCESS INC
2002	BEACH ACCESS INC
1996	BEACH ACCESS INC
1007 Brea Mall	
2011	XXXX
2006	THINGS REMEMBERED
2002	THINGS REMEMBERED
1996	THINGS REMEMBERED
1991	CHESS KING
1008 Brea Mall	
2011	GAP KIDS
2006	GAP KIDS
2002	GAP KIDS
1996	COLORADO
1996	GAP KIDS
1991	UNITD ARTIST CNMA 4
1991	LITTLE FOLKS
1986	UNITD ARTISTS CIN4
1981	UNITD ARTISTS CIN4
1981	GRANGER CLYDE
1009 Brea Mall	
2011	NATURALIZER SHOES BREA MALL
2006	NATURALIZER WEST
2002	NATURALIZER WEST
1996	NATURALIZER WEST
1010 Brea Mall	

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2011	KAY JEWELERS
1996	XXXX
1991	XXXX
1986	XXXX
1981	GINGISS FORMALWEAR
1981	BREA MALL GINGISS
1011 Brea Mall	
2011	DISCOVERY CHANNEL STORE
2011	RAY-BAN
2006	RAY-BAN
2006	DISCOVERY CHANNEL STORE
2002	NATURE COMPANY THE
2002	RAY BAN
1996	NATURE COMPANY THE
1991	NATURE COMPANY THE
1012 Brea Mall	
1996	ACCESSORY LADY
1991	RITZ CMRA CENTERS
1986	HARDY SHOES
1981	HARDY SHOE STORES
1013 Brea Mall	
2011	LUCKY BRAND DUNGAREES
2006	LUCKY BRAND DUNGAREES
2002	LUCKY BRNAD DUNGAREES
1996	AT OUR HOUSE
1991	AT OUR HOUSE
1014 Brea Mall	
2011	METROPARK
2002	XXXX
1996	MUSEUM CO THE
1991	MUSEUM CO THE
1986	BREA PETS
1981	BREA PETS
1015 Brea Mall	
2011	BRIGHTON
1996	AU BON PAIN
1016 Brea Mall	
1996	WILLIAMS SONOMA
1991	WILLIAMS SONOMA
1986	SHAFFER CARDS
1981	BREA MALL SHAFFER
1981	SHAFFER CARDS
1017 Brea Mall	
1996	IMAGINARIUM
1018 Brea Mall	
1996	CONTEMPO CASUALS
1991	HICKORY FARMS OF OH
1986	HICKORY FARMS OF OH

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1981	HICKORY FARMS OF OH
1981	BREA MALL HICKRY FM
1019 Brea Mall	
1996	PAC SUNWEAR
1991	PAC SUNWEAR
1020 Brea Mall	
2011	JANIE & JACK STORE
2006	JANIE & JACK STORE
1996	XXXX
1991	CHESS KING
1986	CHESS KING
1981	CHESS KING DSTRCT
1981	CHESS KING
1021 Brea Mall	
2011	ECCO SHOES
2006	ECCO SHOES
2002	J STEPHENS
1996	J STEPHENS
1991	JOHNSTON&MURPHY SHP
1022 Brea Mall	
2011	BEN BRIDGE JEWELER
2006	BEN BRIDGE JEWELER
2002	BEN BRIDGE JEWELER
1996	XXXX
1991	KARLS TOYS FUNSPACE
1986	KARLS TOYS HOBBIES
1981	KARLS TOYS HOBBIES
1981	BREA MALL KARLS TOY
1023 Brea Mall	
2002	DISNEY STORE INC
1996	DISNEY STORE INC
1024 Brea Mall	
2011	APPLE STORE
2006	APPLE STORE
2002	WET SEAL THE
1996	WET SEAL THE
1991	XXXX
1025 Brea Mall	
2011	FOREVER 21
2006	FOREVER 21
1996	XXXX
1026 Brea Mall	
2011	THE LIMITED
2006	THE LIMITED
2002	LIMITED THE
1996	LIMITED THE
1991	NATURALIZER WEST
1986	FASHION CONSPIRACY

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1981	FASHION CONSPIRACY
1027 Brea Mall	
1996	XXXX
1991	CONTEMPO CASUALS
1028 Brea Mall	
1996	XXXX
1991	MURATA PEARL CO CA
1986	JEANS WEST INC
1981	JEANS WEST INC
1981	BREA MALL JEANS WES
1029 Brea Mall	
1996	XXXX
1991	TEDS CLOCK EMPORIUM
1030 Brea Mall	
2002	LUX SENSE
2002	FOREVER 21
1996	LUXSENSE
1991	BROOKS FASHIONS
1991	PEMBROOK MNG INC
1986	TOWNE PLAZA GALLERY
1981	TOWNE PLAZA GALLERY
1981	BREA MALL GOULD MUS
1031 Brea Mall	
2011	SELECT COMFORT
2006	CRESCENT JEWELERS
2002	CRESCENT JEWELERS
1996	BURTON J JEWELERS
1996	J BURTON JEWELERS
1032 Brea Mall	
2011	LIFE UNIFORM&SHOE SHOPS
1034 Brea Mall	
2011	KEVIN JEWELERS
2006	DUXIANA-THE DUX BED
2002	DUXIANA THE DUX BED
2002	DUX
1996	XXXX
1991	FANFARES
1035 Brea Mall	
2011	JOURNEYS
2006	JOURNEYS
2002	SAM&LIBBY
1996	DOLCIS SHOE STORE
1991	RED EYE INC
1036 Brea Mall	
2011	HEAVENLY COUTURE
2006	BOARDWALK SURF SKATE&SNOW
2002	BOARDWALK SURF SKATE&SNOW

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1996	DAVID JAMES MENS SH
1991	DAVID JAMES MENS SH
1986	RITZ CAMERA CENTERS
1981	HOUSE OF TERRY
1037 Brea Mall	
2002	SAM GOODY
1996	SAM GOODY
1038 Brea Mall	
1996	XXXX
1991	XXXX
1986	HOME FITNESS
1981	BARNEYS
1040 Brea Mall	
1996	XXXX
1991	G H Q FOR MEN
1991	DOLCIS SHOE STORE
1986	G H Q FOR MEN
1041 Brea Mall	
2011	PANDORA BREA MALL
2006	WHITEHALL CO JEWELLERS THE
2002	WHITEHALL CO JEWELLERS THE
1996	LANDAU COLLECTION
1991	CORPORATE PROPERTY
1042 Brea Mall	
2011	CATHY JEAN
2006	CATHY JEAN
2002	CATHY JEAN
1996	GYMBOREE STORE THE
1991	GYMBOREE STORE THE
1986	WICKS N STICKS
1981	WICKS N STICKS
1043 Brea Mall	
2011	ICING BY CLAIRE'S
2006	SANRIO SURPRISES
2002	SANRIO SUPRISES
1996	SANRIO SURPRISES
1044 Brea Mall	
2011	LANE BRYANT
2006	LANE BRYANT
2006	GENL NUTRITION CENTER
2006	HELEN GRACE CHOCOLATES
2002	HELEN GRACE CHOCOLATES
2002	O S I M USA INC
1996	FITTING IMAGE
1991	WET SEAL INC THE
1045 Brea Mall	
2011	UNSA ENTERPRISES
2011	SAM'S TAILORING & CUSTOM SHOP

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2006	SAM'S TAILORING & CUSTOM SHOP
2002	BIG&TALL MENS FASHIONS
1996	BIG&TALL MENS FSHNS
1046 Brea Mall	
1986	ZALES JEWELERS
1981	ZALES JWLRS BREA
1047 Brea Mall	
2011	XXXX
2006	REGIS SALON
1991	ALBERTOS JWLRY RPR
1048 Brea Mall	
2011	SIDECCA
2002	GENERAL NUTRITION CENTER
1996	GENL NUTRITION CT
1991	GENL NUTRITION CNTR
1986	WET SEAL INC THE
1981	BREA MALL WET SEAL
1981	WET SEAL INC THE
1049 Brea Mall	
2002	SUNCOAST MOTN PCTR
1996	SUNCOAST MOTN PCTR
1991	SWEATS&SURF KIDS
1050 Brea Mall	
2011	PACSUN
2006	PAC SUNWEAR
2002	PAC SUNWEAR
1996	XXXX
1991	XXXX
1986	HARRIS&FRANK BREA
1981	BREA MALL HARS&FRNK
1981	HARRIS&FRANK BREA
1051 Brea Mall	
2002	SUNGLASS HUT INTERNATL
1996	SOLSTAR
1996	HELEN GRACE CHOCLTE
1991	HELEN GRACE CHOCLTE
1052 Brea Mall	
2011	COACH
2006	COACH STORE THE
2002	COACH STORE THE
1996	COACH STORE THE
1053 Brea Mall	
2002	XXXX
1996	MIGHTY DUCKS STORE
1991	SPORTELLE
1054 Brea Mall	
1991	PETRIES

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1986	PETRIES
1981	PETRIES
1055 Brea Mall	
2011	BREA MALL GAP THE
2011	GAP
2011	GAP BREA
2006	GAP THE
2002	GAP THE
1996	GAP THE
1057 Brea Mall	
2006	PAC SUNWEAR
2002	JUDY S Hallmark
1996	HORSTMANS HALLMARK
1991	THOM MCAN SHOE STRS
1058 Brea Mall	
1996	XXXX
1991	KINNEY SHOES
1986	KINNEY SHOES BREA
1981	KINNEY SHOES
1981	BREA MALL KINNEY SH
1059 Brea Mall	
2006	PERFUME GALLERY
2002	PERFUME GALLERY
1996	XXXX
1991	CLOTHESTIME INC THE
1060 Brea Mall	
2011	MEN'S WEARHOUSE
1996	XXXX
1991	XXXX
1986	CONTEMPO CASUALS
1981	CONTEMPO CASUALS
1981	BREA MALL CONTEMPO
1061 Brea Mall	
2006	SILHOUETTE
2002	SILHOUETTE
1996	ILLUSIONS
1996	ALLUSIONS BRIDAL CT
1996	GEMINI FINE JEWELRY
1062 Brea Mall	
2011	PERFUME GALLERY
2006	ALEXANDER'S HAIR INTERNATIONAL
2002	LINEAR HAIR INC
1996	LINEAR HAIR INC
1063 Brea Mall	
2011	JEWELER'S BENCH
2006	JEWELER'S BENCH
2002	JEWELERS BENCH
1996	XXXX

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1986	LAWSONS JEWELERS
1981	LAWSONS JEWELERS
1981	BREA MALL LWSON JWL

1064 Brea Mall

2011	SHOE CLINIC
2011	LIZ'S NAILS
2006	SHOE CLINIC
2006	LIZ'S NAILS
2002	NATURALIZER WEST
1996	SUNSHINE BEAUTY SPL
1996	SUNSHINE CNVNNCE ST
1996	SUNSHINE CONVNCE ST
1991	SUNSHINE BEAUTY SPL
1991	SUNSHINE CNVNNCE ST
1986	TEDS CLOCK EMPORIUM
1981	PANTS ETC
1981	BREA MALL PANTS ETC

1065 Brea Mall

2011	BREA MALL
2006	BREA MALL
2002	BREA MALL
1996	BREA MALL
1991	ICING THE
1986	BROOKS FASHIONS
1981	NOBBY

1066 Brea Mall

2011	HOT TOPIC
2011	GUESS JEANS
2006	GUESS JEANS
2006	HOT TOPIC
2002	GUESS JEANS
2002	HOT TOPIC
2002	CRYSTAL TREASURES ETC
1996	TODAYS DESIGN FURN
1996	GUESS JEANS
1996	CORPORATE PROPERTY
1996	CA ORGANIC COTTON

1068 Brea Mall

1996	XXXX
1991	J BURTON JEWELERS
1986	MATSUOKA STAN DR
1986	MURATA KENNETH DR
1981	MATSUOKA STAN DR
1981	MURATA KENNETH DR
1981	TANIGUCHI SUMIO DR

1072 Brea Mall

2006	LIFE UNIFORM& SHOE SHOPS
2002	LIFE UNIFORM SHOP

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1996	LIFE UNIFORM SHOP
1080 Brea Mall	
2011	RED ROBIN
2006	RED ROBIN
2002	RED ROBIN
1996	XXXX
1991	XXXX
1986	C PS GRILLE
1986	LAREDOS
1082 Brea Mall	
1996	XXXX
1991	XXXX
1986	REGAL SHOE SHOP
1981	REGAL SHOE SHOP
1086 Brea Mall	
1986	RED EYE INC
1981	BREA MALL PIGEONS
1981	PIGEONS BOUTIQUE
1088 Brea Mall	
1986	DAVID JAMES MENS SH
1981	CAROLS BATH&BEDDERY
1089 Brea Mall	
1996	XXXX
1991	LEEDS SHOE STORES
1986	LEEDS SHOE STORES
1981	LEEDS SHOE STORES
1091 Brea Mall	
1996	XXXX
1991	XXXX
1986	HOWARDS WESTERN WR
1092 Brea Mall	
1991	LEAHS FABRIC GLLRY
1986	LEAHS FBRC GLLERY
1094 Brea Mall	
1991	XXXX
1986	BAKER C H SHOE STR
1981	BAKER C H SHOE STR
1981	BAKER C H SHOES
1981	BREA MALL BAKER C H
1096 Brea Mall	
1991	PARKLANE HOSIERY ST
1986	PARKLANE HOSIERY ST
1981	PARKLANE HOSIERY ST
1981	BREA MALL PKLNE HOS
1098 Brea Mall	
1991	XXXX
1986	XXXX

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1981	BREA MALL D J CLTHG
1981	DAVID JAMES MNS SHP
1100 Brea Mall	
1986	DECK THE WALLS
1101 Brea Mall	
2011	CRABTREE & EVELYN
2006	CRABTREE & EVELYN
2002	CRABTREE&EVELYN
1996	CRABTREE&EVELYN
1991	OPTIKS
1102 Brea Mall	
1996	9 WEST
1991	9 WEST
1991	WET SEAL
1986	XXXX
1981	HOTEL FOR HBRDSHRY
1103 Brea Mall	
1996	WILSONS HOUSE SUEDE
1991	WILSONS HOUSE SUEDE
1104 Brea Mall	
2002	TRUE COLORS
1105 Brea Mall	
2002	XXXX
1996	BEBE
1991	DEFOREST CONSTR INC
1991	BEBE
1106 Brea Mall	
2011	PHILIA
2002	ATHLETE S FOOT THE
1107 Brea Mall	
2011	CARLTON HAIR INTL
2006	CARLTON HAIR INTL
2002	CARLTON HAIR INTL
1996	CARLTON HAIR INTL
1108 Brea Mall	
2011	DAISY SHOPPE
2011	B & G
2006	CARRAZ
2006	OSIM USA INC
2006	B & G
2002	CARRAZ WHITE ORCHID
1996	WHITE ORCHID
1991	CREATIVE GIFTS
1991	BIG&TALL MENS FSHN
1991	FORTY LOVE TENNIS
1986	BIG&TALL MENS FSHN
1981	BIG&TALL MENS FSHN

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1109 Brea Mall	
2011	SEE'S CANDIES BREA
1996	SEES CANDIES
1991	SEES CANDIES
1110 Brea Mall	
2011	WINDSOR FASHIONS INC
2006	WINDSOR FASHIONS INC
2006	VILLAGE GALLERY THE
2002	WINDSOR FASHIONS INC
2002	VILALGE GALLERY THE
2002	HARRIS&FRANK INC
1996	HARRIS&FRANK
1991	XXXX
1986	BUFFALO CONNECTION
1981	BRASS BED THE
1112 Brea Mall	
2002	XXXX
1996	VILLAGE GALLERY THE
1113 Brea Mall	
2011	EVERYTHING BUT WTR
2006	EVERYTHING BUT WTR
2002	EVERYTHING BUT WTR
1996	EVERYTHING BUT WTR
1996	KINDERFOTO STUDIOS
1991	EVERYTHING BUT WTR
1991	KINDERFOTO STUDIOS
1986	MAGIC RAZOR
1986	MAGIC RAZOR NAIL BR
1981	BREA MALL MAGIC RAZ
1981	MAGIC RAZOR NAIL BR
1981	MAGIC RAZOR
1114 Brea Mall	
2011	TALBOTS
2006	TALBOT'S
2002	TALBOTS
1996	TALBOTS
1991	TALBOTS
1986	GENERAL NUTRITON CT
1981	GENERAL NUTRITON CT
1116 Brea Mall	
2011	GODIVA BOUTIQUE
2006	GODIVA CHOCOLATIER
2002	GODIVA CHCOLATIER
1996	GODIVA CHOCOLATIER
1991	GODIVA CHOCOLATIER
1986	VIDEO CONCEPTS
1981	VIDEO CONCEPTS
1117 Brea Mall	

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2002	XXXX
1996	BOMBAY COMPANY THE

1118 Brea Mall

2011	FOOT LOCKER
2011	CHARLOTTE RUSSE
2006	FOOT LOCKER
2006	CHARLOTTE RUSSE
2002	FOOT LOCKER
2002	KIDS FOOT LOCKER 46753
2002	CHARLOTTE RUSSE
1996	FOOT LOCKER
1996	CHARLOTTE RUSSE
1991	FOOT LOCKER
1986	FOOT LOCKER
1981	BREA MALL FT LCKER
1981	FOOT LOCKER
1981	FOOTLOCKER STORE

1120 Brea Mall

2011	XXXX
2006	THE BEST NAILS
2002	BEST NAILS THE
1996	BEST NAILS THE
1991	XXXX
1986	HELEN GRACE CHOCOLT
1981	HELEN GRACE CANDIES

1121 Brea Mall

2011	PENINSULA LUGGAGE & GIFTS
2006	VELLANO ENTERPRISE
2002	NOBLE&WILD LUGGAGE
1996	KENSINGTON LUGGAGE
1991	ROOTENS LUGGAGE STR

1122 Brea Mall

2002	FRUZEN Mix
2002	SAMS TAILORING&CUSTOM SHOP
1996	NAVAJO WEST
1996	GLAMOUR SHOTS
1991	HALL J HERBERT JWLR
1986	XXXX
1981	BREA MALL H J JWLRS
1981	HALL J H JEWELERS

1123 Brea Mall

2011	CLAIRE'S
2006	CLAIRES BOUTIQUES
2002	CLAIRES BOUTIQUES
1996	THOMAS STATION

1124 Brea Mall

1996	BEN BRIDGE JEWELER
1991	BEN BRIDGE JEWELER

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1986	SUSIES CASUALS
1981	SUSIES CASUALS
1126 Brea Mall	
1996	XXXX
1991	XXXX
1986	DALTON B BOOKSELLER
1986	B DALTON BOOKSELLER
1981	BREA MALL B DALTON
1981	B DALTON BOOKSELLER
1128 Brea Mall	
1996	XXXX
1991	WOMANS WORLD SHOP
1986	WOMANS WORLD SHOP
1981	BREA MALL WMNS WRLD
1981	WOMANS WORLD SHOP
1130 Brea Mall	
1991	SAM GOODY
1986	MUSICLAND
1981	MUSICLAND
1981	BREA MALL MUSICLAND
1132 Brea Mall	
1996	XXXX
1991	XXXX
1986	THOM MCAN SHOE STR
1981	BREA MALL THOM MCAN
1981	THOM MCAN SHOE STR
1134 Brea Mall	
2006	ANCHOR BLUE
2002	MILLER S OUTPOST
1996	MILLERS OUTPST LEVI
1991	MILLERS OUTPST LEVI
1986	MILLERS OUTPST LEVI
1981	MILLERS OUTPST LEVI
1981	BREA MALL M OUTPOST
1138 Brea Mall	
1996	XXXX
1991	XXXX
1986	FOXMOOR CASUALS
1981	FOXMOOR CASUALS
1140 Brea Mall	
1986	GOOD LOCKS NAIL BAR
1986	GOOD LOOKS BTY SPLY
1981	GOOD LOOKS BTY SPLY
1981	GOOD LOOKS NAIL BAR
1981	BREA MALL GD BTY SL
1142 Brea Mall	
1996	XXXX
1991	XXXX

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1986	XXXX
1981	CREATIVE CORNERS
1146 Brea Mall	
1996	XXXX
1991	XXXX
1986	AT OUR HOUSE
1981	AT OUR HOUSE
1150 Brea Mall	
1996	XXXX
1991	XXXX
1986	SALMAGUNDI
1986	SALMAGUNDI MENU
1981	SALMAGUNDI
1152 Brea Mall	
1986	LITTLE FOLK SHOP
1154 Brea Mall	
1986	PRIVATE MOMENTS
1156 Brea Mall	
1986	DALES FOOTWORKS
1981	JAY JORDAN SHOES
1901 Brea Mall	
1986	XXXX
2000 Brea Mall	
1986	LERNER SHOP
1981	LERNER SHOP
2001 Brea Mall	
2011	SPENCER GIFTS
2011	BARKWORKS
2006	HELEN'S BEAUTY SUPPLY & SALON
2006	CHIEN ET CHAT
2002	HELENS BEAUTY SUPPLY&SALON
2002	CHIEN ET CHAT
1996	HELENS BTY SPLY SLN
1991	LERNER SHOPS
2002 Brea Mall	
2011	THE PICTURE PEOPLE
2006	PICTURE PEOPLE THE
2002	PICTURE PEOPLE THE
1991	EXPERSSLY PORTRAITS
2003 Brea Mall	
2011	SPENCER GIFTS
2006	SPENCER GIFTS
2002	SPENCER GIFTS
1996	HOWARD&PHILS WEAR
1991	HOWARD&PHILS WESTRN
2004 Brea Mall	
2011	DISNEY STORE INC

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2006	DISNEY STORE INC
2002	K B TOYS
1996	PAYLESS SHOESOURCE
1986	PAC SUNWEAR
1981	XXXX

2005 Brea Mall

2011	CHAMPS
2006	CHAMPS
2002	CHAMPS
1996	OSHMANS SPRTNG GOOD

2006 Brea Mall

2011	AMER GREETINGS
2006	CARLTON CARDS
2002	CARLTON CARDS
1996	CARTON CARDS
1991	XXXX
1986	SINGER SEWING MACHN
1986	HOUSE FABRICS MACH
1986	HOUSE OF FABRICS
1981	HOUSE OF FABRICS

2007 Brea Mall

2011	CRAZY 8 STORE
2006	WILSON'S SUEDE&LEATHER
2002	WILSON S SUEDE&LEATHER
1996	KINNEY SHOES
1991	BILL GAMBLES MNS WR

2008 Brea Mall

2006	ICING BY CLAIRE'S
2006	AMY BIDDLE
2002	ICING THE
1996	ACCESSORY PLACE
1991	CHIC ACCESSORIES
1991	PAYLESS SHOESOURCE
1986	GALLENKAMP SHOES
1981	BREA MALL GALLENKMP
1981	GALLENKAMP SHOES

2009 Brea Mall

1996	XXXX
1991	HATFIELD JEWELERS

2010 Brea Mall

2011	G GUCCINI
2006	GUCCINI
2002	GUCCINI
1996	G GUCCINI
1991	OSHMANS SPRTG GOODS
1991	JACQUES VERT USA
1986	OSHMANS SPORTNG GDS
1981	BREA MALL HSE FABIC

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1981	OSHMANS SPORTNG GDS
2011 Brea Mall	
2011	J CREW
2006	J CREW
1996	XXXX
2013 Brea Mall	
2011	THE BODY SHOP
2006	BODY SHOP THE
2002	BODY SHOP THE
1996	BODY SHOP THE
2014 Brea Mall	
2002	XXXX
1996	WINDSOR FASHIONS
1991	WINDSOR FASHIONS
1991	CASUAL CORNER
1986	CASUAL CORNER
1981	CASUAL CORNER
2015 Brea Mall	
2011	BROOKSTONE
2006	BROOKSTONE CO
2002	BROOKSTONE CO
1996	BROOKSTONE CO
1991	BAILEY BANKS&BIDDLE
2016 Brea Mall	
2011	GAP
2006	BANANA REPUBLIC
2002	BANANA REPUBLIC
1996	BANANA REPUBLIC
1991	BRENTANOS
1986	BILL GAMBLE MENS WR
1981	BILL GAMBLE MENS WR
2018 Brea Mall	
1996	XXXX
1991	XXXX
1986	CHIC ACESSORIES
1981	CHIC ACESSORIES
1981	BREA MALL CHIC ASSE
2020 Brea Mall	
2011	FRED MEYER JEWELERS BREA
2002	FRED MEYERS JEWELERS
1986	HATFIELD JEWELERS
1981	HATFIELD JEWELERS
1981	BREA MALL HTFLD JWL
2021 Brea Mall	
2006	PETITE SOPHISTICATE
2002	PETITE SOPHISTICATE
1996	PETITE SOPHISTICATE
1991	ALLUSIONS A CONCEPT

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1991	CHARLOTTE RUSSE
2022 Brea Mall	
1996	SESAME ST RETAIL
2024 Brea Mall	
2002	STRUCTURE
1996	STRUCTURE
1991	XXXX
1986	TOY BOX
1981	TOY BOX
1981	BREA MALL TOY BOX
2027 Brea Mall	
2011	JUSTICE
2011	CACHE
2011	MRS FIELDS
2006	CACHE
2006	MRS FIELDS COOKIES
2006	LIMITED TOO THE
2002	MRS FIELDS COOKIES
2002	LIMITED TOO THE
1996	PEA POD MATERNITY
1996	MRS FIELDS COOKIES
1996	LIMITED TOO THE
1996	SPORTS FANTASY
1996	SWEET FACTORY
1996	PEARLE VISIONCARE
1996	PEARLE VISION EXPRS
1991	BREA MALL
1986	BREA MALL
1981	NATL UNIFORM SHOPS
1981	BREA MALL MANAGMNT
1981	HOMART DEVELOPMENT
2028 Brea Mall	
1996	XXXX
1991	XXXX
1986	FREDERICKS OF HLYWD
1981	WINNING WOMEN THE
2030 Brea Mall	
1986	WILSONS HS OF SUEDE
1981	BREA MALL W HSE SUE
1981	HILANDS TOBCCO LCKR
2032 Brea Mall	
1996	XXXX
1991	MANDARIN GEMS OF CA
1986	MANDARIN GEMS BREA
2034 Brea Mall	
1996	XXXX
1991	UNITS
1986	HILANDS TOBCCO LCKR

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2036 Brea Mall

1996	XXXX
1991	XXXX
1986	KINDERFOTO
1981	KINDERFOTO
1981	BREA MALL KINDERFOT

2037 Brea Mall

2011	PHOTO PERFECTIONEST
2006	PHOTO PERFECTIONEST
2002	STAR IMAGE
1996	SIGN OF GOOD TASTE

2038 Brea Mall

2011	OC DESIGN
1996	XXXX
1991	XXXX
1986	JACKIES FASHION CTR
1981	JACKIES FASHION CTR

2040 Brea Mall

2011	WET SEAL
1986	COOKS CORNER
1981	MS OS PAN TREE
1981	BREA MALL MS OS PAN

2041 Brea Mall

2011	EXPRESS
2006	EXPRESS
1996	XXXX
1991	VALLEY HALLMARK

2042 Brea Mall

1996	XXXX
1991	XXXX
1986	PABLOS KITCHEN
1981	BREA MALL ORG JULIS
1981	BREA MALL HAMBRG
1981	PABLOS KITCHEN
1981	BREA MALL PBLS KTCH

2044 Brea Mall

2011	AVEDA ENVIROMENTAL LFSTYLS STR
2006	AVEDA ENVIROMENTAL LFSTYLS STR
2002	AVEDA ENVIROMENTAL LFSTYLS STR
1996	XXXX
1991	GORDONS JEWLRS BREA

2045 Brea Mall

1996	FLORSHEIM SHOE SHOP

2046 Brea Mall

2011	COUNTRY COLLECTION THE
2006	COUNTRY COLLECTION
2002	COUNTRY COLLECTION

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1996	COUNTRY COLLECTION
1991	COUNTRY COLLECTION
1986	TERIYAKI HOUSE
1981	BREA MALL THE PIER
1981	PIER THE

2047 Brea Mall

2011	STRIDE RITE
2006	BREA STRIDE RITE
2006	STRIDE RITE
2002	BREA STRIDE RITE
2002	STRIDE RITE
1996	BREA STRIDE RITE
1996	STRIDE RITE

2048 Brea Mall

2011	TOKYO JAPANESE LIFE STYLE
2006	RITZ CAMERA CENTERS BREA MALL
2002	RITZ CAMERA CENTERS
1996	KITS CAMERAS
1991	CIRCUIT THE
1986	FAMOUS RAMOS HOT DG
1981	BREA MALL R HOT DGS
1981	FAMOUS RAMOS HOT DG

2049 Brea Mall

2011	BREA MALL OPTOMETRIST THE
2011	MATSUOKA STAN DR
2006	MATSUOKA STAN DR
2006	N G MONIKA DR
2006	NINOMIYA SANDRA DR
2006	YOSHIMURA AUDRA DR FAAO
2002	KNIFE GALLERY INC
1996	KNIFE GALLERY INC
1991	KNIFE GALLERY INC

2050 Brea Mall

2011	VANS
2011	THE VAGABOND
2002	HOME DESIGN
1996	VANS TENNIS SHOES
1991	0 2 14
1986	CAROUSEL PIZZA
1981	CAROUSEL PIZZA
1981	BREA MALL CAROUSEL

2051 Brea Mall

2002	SHOE CLINIC
1996	LITTLE COBBLER THE

2052 Brea Mall

2011	XXXX
2006	VAN'S TENNIS SHOES
2002	VAN S TENNIS SHOES

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2002	CALIF CRISP
1996	CA CRISP
1996	COPELANDS SPORTS
1991	CA CRISP
1991	COPELANDS SPORTS
1986	L A CRISP
1981	SULTANS DEN
2053 Brea Mall	
1996	XXXX
1991	THE GRT AMER STORY
2054 Brea Mall	
2011	BATH & BODY WORKS
2006	BATH AND BODY WORKS
2002	BATH AND BODY WORKS
1996	CACIQUE
1991	SANTA ANITA LUGGAGE
1986	CHINESE KING
1981	BREA MALL CHNESE KG
1981	CHINESE KING
2055 Brea Mall	
2011	GYMBOREE
2006	GYMBOREE STORE THE
2002	GYMBOREE STORE THE
1996	JAY JACOBS FOR MEN
1991	JAY JACOBS FOR MEN
2056 Brea Mall	
1996	IMPOSTORS BREA MALL
1991	IMPOSTORS BREA MALL
1986	CORN DOG ON A STICK
2057 Brea Mall	
2011	BOSTONIAN SHOES
2006	BOSTONIAN SHOES
2002	BOSTONIAN SHOES
1996	BOSTONIAN SHOES
1991	HANOVER SHOE STORE
1986	XXXX
1981	SKYLINE WEST
2058 Brea Mall	
2011	XXXX
2006	ILLUMINATIONS
2002	ILLUMINATIONS
1996	9&CO
1991	XXXX
1986	FILLING STATION THE
1981	EARL OF SANDWICH
2059 Brea Mall	
2011	LADY FOOTLOCKER
2006	LADY FOOTLOCKER

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2002	LADY FOOTLOCKER
1996	LADY FOOTLOCKER
1991	LADY FOOTLOCKER
1986	TIFFANYS BAKERY
1981	TIFFANYS BAKERIES
2060 Brea Mall	
1996	XXXX
1986	HAAGEN DAZS ICE CRM
1981	SCOOPING STATION
1981	BREA MALL SCOOP STA
2062 Brea Mall	
2011	FREDERICK'S OF HOLLYWOOD
2006	FREDERICK'S OF HOLLYWOOD
2002	FREDERICKS HOLLYWD
1996	FREDERICKS HOLLYWD
1986	1 POTATO 2 INC
2063 Brea Mall	
2011	EYEXAM OF CA BREA MALL LCTN
2011	LENSCRAFTERS BREA MALL
2011	DOCTORS OF OPTMTRY BRA MLL
2002	LENSCRAFTERS
2002	EYEXAM 2000 OF CALIFORNIA INC
2002	DOCTORS OF OPTOMETRY
1996	XXXX
1991	XXXX
1986	NATURALIZER WEST
1981	BREA MALL NATURALZR
1981	NATURALIZER WEST
2064 Brea Mall	
2002	XXXX
1996	LECHTERS HOUSEWARE
1991	LECHTERS HOUSEWARES
1986	THIRSTYS BREA INC
1981	BEJEWELED OF BREA
2065 Brea Mall	
2011	AEROPOSTALE
2006	GRAPHICS
1986	CARTOON JUNCTION
2066 Brea Mall	
2011	REFLECTION
2006	CHLOE ACCESSORIES INC
2006	RETRO RETRO
2002	NOTHING BUT SILVER
1996	HEALTHRIDER
1991	ALCALA
1986	WINE SHOPPE ETC THE
1981	BREA MALL DONUT SHP
1981	WINCHELLS DONUT HSE

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2067 Brea Mall

2011	ANCHOR BLUE
2006	PAYLESS SHOESOURCE
2002	CARTOON Field
2002	PAYLESS SHOESOURCE
1996	XXXX
1991	TOY BOX

2068 Brea Mall

1986	MALL MUNCHIES
1981	MALL MUNCHIES

2069 Brea Mall

1996	XXXX
1991	XXXX
1986	SUNGLASS THE
1986	THE SUNGLASS
1981	SUNGLASS THE

2072 Brea Mall

1996	TANIGUCHI SUMIO DR
1991	TANIGUCHI SUMIO DR
1991	MURATA KENNETH DR

2074 Brea Mall

1996	XXXX
1991	XXXX
1986	WILD TOPS
1981	CALIF T SHIRTS
1981	BREA MALL T SHIRTS

2076 Brea Mall

1986	XXXX
1981	BREA MALL ALLTIME I
1981	ALLTIME INC

2078 Brea Mall

1996	XXXX
1991	XXXX
1986	WHEREHOUSE THE
1981	WHEREHOUSE THE

2080 Brea Mall

1996	RADIO SHACK A DIV
1991	RADIO SHACK A DIV
1991	TANDY CNSMR ELTRNC
1986	RADIO SHACK RTL STR
1981	RADIO SHACK BREA
1981	BREA MALL RDO SHACK

2082 Brea Mall

1996	XXXX
1991	WALDENBOOKS
1986	WALDENBOOKS
1986	HOBBYMAN

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1981	BREA MALL HOBBYMAN
1981	HOBBYMAN
2084 Brea Mall	
1996	XXXX
1991	XXXX
1986	XXXX
1981	WALDEN BOOKS
2086 Brea Mall	
1996	XXXX
1991	XXXX
1986	VALLEY HALLMARK
1981	BREA MALL VLY HLLMK
1981	VALLEY HALLMARK
2088 Brea Mall	
1996	XXXX
1991	C V S
1986	C V S
1981	C V S
1981	BREA MALL C V S
2090 Brea Mall	
1991	GAP THE
1986	GAP THE
1981	GAP THE
1981	BREA MALL GAP THE
2092 Brea Mall	
1991	XXXX
1986	GORDONS JEWELERS
1981	GORDONS JEWELERS
1981	BREA MALL GORDONS
2094 Brea Mall	
1991	FLORSHEIM SHOE SHOP
1986	FLORSHEIM SHOE SHOP
1981	FLORSHEIM SHOE STRS
1981	BREA MALL FLORSHEIM
2098 Brea Mall	
1991	XXXX
1986	COUNTRY COLLECTION
1981	COUNTRY COLLECTION
1981	BREA MALL CO CLLECT
2100 Brea Mall	
1991	BROOKS SHOES KIDS
1986	STRIDE RITE BOOTERY
1986	BARRYS STRIDE RITE
1981	STRIDE RITE BOOTERY
1981	BREA MALL STRIDE RI
1981	BARRYS STRIDE RITE
2101 Brea Mall	

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2011	THINGS REMEMBERED BREA MALL
2002	FRANKLIN MINT
1996	FRANKLIN MINT
2102 Brea Mall	
2011	SUNGLASS HUT INTL
2006	SUNGLASS HUT INTL
2002	SUNGLASS HUT INTL
1996	MUSIC BOX THE
1991	XXXX
1986	CIRCUIT THE
1981	CIRCUIT THE
1981	BREA MALL CIRCUIT
2103 Brea Mall	
2002	XXXX
1996	SNAPZ
2104 Brea Mall	
2002	BENETTON
1996	PENDLETON BREA
1991	PENDELTON Brea
1986	KNIFE GALLERY THE
1981	KNIFE GALLERY THE
2105 Brea Mall	
1996	XXXX
2106 Brea Mall	
2011	PAPYRUS
2006	PAPYRUS
2002	PAPYRUS
1996	PAPYRUS
1991	PAPYRUS
1986	PAPPAGALLO SHOES
1981	BREA MLL PAPPAGALLO
1981	SHOP FOR PAPPAGLLO
2107 Brea Mall	
2011	FOREIGN EXCHANGE
2006	BOMBAY
2002	BOMBAY COMPANY THE
1996	BANK OF ATQ RPRDCTN
1991	BANK OF ATQ RPRDCTN
2108 Brea Mall	
2011	XXXX
2006	PRINTS PLUS
2002	PRINTS PLUS
1996	RITZ CAMERA CENTER
2109 Brea Mall	
2011	AMES APPAREL LLC
2006	AMES APPAREL LLC
2002	AMES LADIES WEAR
1996	AMES LADIES WEAR

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1991	AMES LADIES WEAR
2110 Brea Mall	
2002	MUSICLAND
1996	MUSICLAND
1991	BREA GALLERY INC
1986	ON THE GO TRAVEL SV
1981	BREA MALL ON THE GO
1981	ON THE GO TRAVEL SV
2111 Brea Mall	
2011	REGIS SALONS
2011	THOMAS STATION
2006	THOMSEN TOYS
2002	THOMAS STATION
1996	G H Q
2112 Brea Mall	
2011	XXXX
2006	LE DIPLOMATE CAFÉ
2002	LE DIPLOMATE CAFÉ
1996	A PEA IN POD MTRNTY
1991	XXXX
1986	KAPLANS DELI&REST
1981	BREA MALL KPLNS DEL
1981	KAPLANS DELI&REST
2116 Brea Mall	
2011	WATCH WORKS
2006	WATCH WORKS
2006	WATCH WORLD
2002	WATCH WORKS
1996	MURATA PEARL CO CA
2117 Brea Mall	
2011	ANN TAYLOR
2006	ANN TAYLOR
2002	ANN TAYLOR
1996	ANN TAYLOR
1991	ANN TAYLOR
2118 Brea Mall	
1996	EDDIE BAUER
1991	EDDIE Bauer
2119 Brea Mall	
1996	STRICTLY SUNGLASSES
1996	CLAIREAS BOUTIQUE
1996	K T GROUP
1996	KEEPING TIME
2120 Brea Mall	
1996	KIDS BY DESIGN
1991	GREAT AMER STRY THE
1986	THE GRT AMERCN STRY
1986	GREAT AM SHRT STRY

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2121 Brea Mall	
2006	MOTHERHOOD MATERNITY
2002	MOTHERHOOD MATERNITY
1996	XXXX
1991	SWEATS&SURF
2122 Brea Mall	
2011	LE DIPLOMATE CAFÉ
2002	XXXX
1996	LE DIPLOMATE CAFÉ
1991	LE DIPLOMATE CAFÉ
1986	SANTA ANITA LUGGAGE
1981	SANTA ANITA LUGGAGE
2123 Brea Mall	
1996	PRINTS PLUS
1991	ETCETERA FASHION
2124 Brea Mall	
2002	CANDY EXPRESS
1996	CANDY EXPRESS
1991	XXXX
1986	JOELS
1981	BREA MALL JOELS
1981	JOELS
2126 Brea Mall	
1986	MORROWS NUT HOUSE
1981	BREA MALL M NUT HSE
1981	MORROWS NUT HOUSE
2128 Brea Mall	
1986	HANOVER SHOE STORE
1981	HANOVER SHOES
2130 Brea Mall	
1996	XXXX
1991	SIZE 5 7 9 SHOPS
1986	SIZE 5 7 9 SHOPS
1981	SIZE 5 7 9 SHOPS
2132 Brea Mall	
1996	XXXX
1991	XXXX
1986	XXXXX
1981	BREA MALL ACCNT MUS
1981	ACCENT MUSIC
2134 Brea Mall	
1986	SPENCER GIFTS
1981	BREA MALL SPENCER
1981	SPENCER GIFTS
2136 Brea Mall	
1996	XXXX
1991	JUDYS

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1986	JUDYS
1981	JUDYS
2139 Brea Mall	
1996	XXXX
1991	FREDERICKS OF HLYWS
1986	JOYCE SELBY SHOES
1981	JOYCE SELBY SHOES
2140 Brea Mall	
1991	LIMITED THE
1986	LIMITED THE
1981	LIMITED THE
2142 Brea Mall	
1991	XXXX
1986	WOODTOWNE FURN CO
1981	WOODTOWNE
2144 Brea Mall	
1986	MALING SHOES
1981	MALING SHOES
2146 Brea Mall	
1986	XXXX
1981	BREA MALL PAL VACUM
1981	PALS VAC SEW CNTRS
1981	SINGER COMPANY THE
2148 Brea Mall	
1986	HANSEL N GRETEL SHP
1981	BREA MALL HNSL&GRTL
1981	HANSEL N GRETEL SHP
2151 Brea Mall	
2011	GLORIA JEANS COFFEE
2006	GLORIA JEANS COFFEE
2002	GLORIA JEANS COFFEE
1996	GLORIA JEANS COFFEE
2152 Brea Mall	
2011	CINNABON
1996	CINNABON
1986	BANK ANTQ RPRDCTNS
1981	CAFÉ BEIGNET
2154 Brea Mall	
1986	I NATURAL COSMETICS
1981	I NATURAL COSMETICS
2156 Brea Mall	
2002	DAIRY QUEEN
1996	DAIRY QUEEN
1991	JAY JACOBS
1986	JAY JACOBS
1981	GENES
2157 Brea Mall	

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2011	TACOS & COMPANY
2006	TACOS & COMPANY
2002	TACOS&COMPANY
1996	BAJA GRILL
2158 Brea Mall	
1996	XXXX
1991	XXXX
1986	WINDSOR FASHIONS
1981	WINDSOR FASHIONS
2159 Brea Mall	
2006	CHICKEN ROMA
2160 Brea Mall	
2011	XXXX
2006	CARL'S JR RESTAURANTS
2002	CARLS JR RESTAURANT
1996	CARLS JR RESTAURANT
1991	CARLS JR RESTAURANT
2161 Brea Mall	
1996	TERIYAKI TOKYO
2162 Brea Mall	
2011	XXXX
2006	VOLCANO TEA HOUSE
2002	VOLCANO TEA HOUSE
1996	BENNETTS PIT
1991	XXXX
1986	SLAVICS JEWELERS
1981	SLAVICS JEWELERS
2163 Brea Mall	
2006	ARBY'S
2002	ARBYS
1996	ARBYS
2164 Brea Mall	
2011	XXXX
2006	GREAT STEAK&FRY THE
2002	GREAT STEAK&FRY THE
1996	GREAT STEAK&FRY THE
2166 Brea Mall	
2011	GARDEN COURMET& CA SQUEEZE
2006	GARDEN GOURMET&CA SQUEEZE
2002	GARDEN GOURMET&CALIF SQUEEZE
2167 Brea Mall	
1996	A&W HOT DOGS&MORE
2170 Brea Mall	
2011	VITAMIN WORLD
2006	IGE ERIC DR
2006	VITAMIN WORLD
2002	MURATA KENNETH DR

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2002	MATSUOKA STAN DR
2002	IGE ERIC DR
1996	MATSUOKA STAN DR
1996	MURATA KENNETH DR
1991	MATSUOKA STAN DR

2171 Brea Mall

2011	DAIRY QUEEN
2006	DAIRY QUEEN
2002	CUSTOM IMAGES
1996	XXXX
1991	I NATURAL COSMETICS

2172 Brea Mall

2011	BOARDWALK-SU & SNOW
2006	KIDS BEST DESIGN
2002	KIDS BEST DESIGN

Abstract Section 2: This section includes the city directory data sorted by the year the city directory was published.

2011

100 Brea Mall	H & R BLOCK
100 Brea Mall	MIRACLE-EAR
100 Brea Mall	SEARS GENERAL INFORMATION
100 Brea Mall	SEARS OPTICAL
100 Brea Mall	CRYSTAL EMPRESS
120 Brea Mall	LOCK 1 SERVICES
120 Brea Mall	THE CHEESECAKE FACTORY
200 Brea Mall	BREA MLL BRDWLK SRF SKTE & SNW
200 Brea Mall	MACY'S THE MACY'S BREA
200 Brea Mall	MACY'S MACY'S WEST
200 Brea Mall	MACY'S BEA
200 Brea Mall	BREA MALL NATURALIZER WEST
200 Brea Mall	BREA MALL MACY'S
200 Brea Mall	BREA MALL CNTRY COLLECTION THE
200 Brea Mall	MACY'S DEPARTMENT STORES
212 Brea Mall	PANDA EXPRESS
250 Brea Mall	RED LOBSTER RESTAURANTS
270 Brea Mall	OLIVE GARDEN ITALIAN REST BREA
400 Brea Mall	JCPENNEY BREA MALL
400 Brea Mall	JCPENNEY OPTICAL
400 Brea Mall	JCPENNEY PORTRAIT STUDIO
500 Brea Mall	NORDSTROM
562 Brea Mall	TROJAN DIVERSIFIED
600 Brea Mall	BJ'S RESTAURANT AND BREWERY
1001 Brea Mall	GLEN IVY DAY SPA
1002 Brea Mall	MEN'S WEARHOUSE & TUX
1003 Brea Mall	ANTIE ANNE'S SOFT PRETZEL'S
1004 Brea Mall	THE CHILDREN'S PLACE
1006 Brea Mall	AMER EAGLE OUTFITTERS

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1006 Brea Mall	BEACHWORKS
1007 Brea Mall	XXXX
1008 Brea Mall	GAP KIDS
1009 Brea Mall	NATURALIZER SHOES BREA MALL
1010 Brea Mall	KAY JEWELERS
1011 Brea Mall	RAY-BAN
1011 Brea Mall	DISCOVERY CHANNEL STORE
1013 Brea Mall	LUCKY BRAND DUNGAREES
1014 Brea Mall	METROPARK
1015 Brea Mall	BRIGHTON
1020 Brea Mall	JANIE & JACK STORE
1021 Brea Mall	ECCO SHOES
1022 Brea Mall	BEN BRIDGE JEWELER
1024 Brea Mall	APPLE STORE
1025 Brea Mall	FOREVER 21
1026 Brea Mall	THE LIMITED
1031 Brea Mall	SELECT COMFORT
1032 Brea Mall	LIFE UNIFORM&SHOE SHOPS
1034 Brea Mall	KEVIN JEWELERS
1035 Brea Mall	JOURNEYS
1036 Brea Mall	HEAVENLY COUTURE
1041 Brea Mall	PANDORA BREA MALL
1042 Brea Mall	CATHY JEAN
1043 Brea Mall	ICING BY CLAIRE'S
1044 Brea Mall	LANE BRYANT
1045 Brea Mall	SAM'S TAILORING & CUSTOM SHOP
1045 Brea Mall	UNSA ENTERPRISES
1047 Brea Mall	XXXX
1048 Brea Mall	SIDECCA
1050 Brea Mall	PACSUN
1052 Brea Mall	COACH
1055 Brea Mall	BREA MALL GAP THE
1055 Brea Mall	GAP
1055 Brea Mall	GAP BREA
1060 Brea Mall	MEN'S WEARHOUSE
1062 Brea Mall	PERFUME GALLERY
1063 Brea Mall	JEWELER'S BENCH
1064 Brea Mall	SHOE CLINIC
1064 Brea Mall	LIZ'S NAILS
1065 Brea Mall	BREA MALL
1066 Brea Mall	GUESS JEANS
1066 Brea Mall	HOT TOPIC
1080 Brea Mall	RED ROBIN
1101 Brea Mall	CRABTREE & EVELYN
1106 Brea Mall	PHILIA
1107 Brea Mall	CARLTON HAIR INTL
1108 Brea Mall	DAISY SHOPPE
1108 Brea Mall	B & G

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1109 Brea Mall	SEE'S CANDIES BREA
1110 Brea Mall	WINDSOR FASHIONS INC
1113 Brea Mall	EVERYTHING BUT WTR
1114 Brea Mall	TALBOTS
1116 Brea Mall	GODIVA BOUTIQUE
1118 Brea Mall	CHARLOTTE RUSSE
1118 Brea Mall	FOOT LOCKER
1120 Brea Mall	XXXX
1121 Brea Mall	PENINSULA LUGGAGE & GIFTS
1123 Brea Mall	CLAIRE'S
2001 Brea Mall	SPENCER GIFTS
2001 Brea Mall	BARKWORKS
2002 Brea Mall	THE PICTURE PEOPLE
2003 Brea Mall	SPENCER GIFTS
2004 Brea Mall	DISNEY STORE INC
2005 Brea Mall	CHAMPS
2006 Brea Mall	AMER GREETINGS
2007 Brea Mall	CRAZY 8 STORE
2010 Brea Mall	G GUCCINI
2011 Brea Mall	J CREW
2013 Brea Mall	THE BODY SHOP
2015 Brea Mall	BROOKSTONE
2016 Brea Mall	GAP
2020 Brea Mall	FRED MEYER JEWELERS BREA
2027 Brea Mall	JUSTICE
2027 Brea Mall	MRS FIELDS
2027 Brea Mall	CACHE
2037 Brea Mall	PHOTO PERFECTIONEST
2038 Brea Mall	OC DESIGN
2040 Brea Mall	WET SEAL
2041 Brea Mall	EXPRESS
2044 Brea Mall	AVEDA ENVIROMENTAL LFSTYLS STR
2046 Brea Mall	COUNTRY COLLECTION THE
2047 Brea Mall	STRIDE RITE
2048 Brea Mall	TOKYO JAPANESE LIFE STYLE
2049 Brea Mall	BREA MALL OPTOMETRIST THE
2049 Brea Mall	MATSUOKA STAN DR
2050 Brea Mall	THE VAGABOND
2050 Brea Mall	VANS
2052 Brea Mall	XXXX
2054 Brea Mall	BATH & BODY WORKS
2055 Brea Mall	GYMBOREE
2057 Brea Mall	BOSTONIAN SHOES
2058 Brea Mall	XXXX
2059 Brea Mall	LADY FOOTLOCKER
2062 Brea Mall	FREDERICK'S OF HOLLYWOOD
2063 Brea Mall	EYEXAM OF CA BREA MALL LCTN
2063 Brea Mall	LENSCRAFTERS BREA MALL

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2063 Brea Mall	DOCTORS OF OPTMTRY BRA MLL
2065 Brea Mall	AEROPOSTALE
2066 Brea Mall	REFLECTION
2067 Brea Mall	ANCHOR BLUE
2101 Brea Mall	THINGS REMEMBERED BREA MALL
2102 Brea Mall	SUNGLASS HUT INTL
2106 Brea Mall	PAPYRUS
2107 Brea Mall	FOREIGN EXCHANGE
2108 Brea Mall	XXXX
2109 Brea Mall	AMES APPAREL LLC
2111 Brea Mall	REGIS SALONS
2111 Brea Mall	THOMAS STATION
2112 Brea Mall	XXXX
2116 Brea Mall	WATCH WORKS
2117 Brea Mall	ANN TAYLOR
2122 Brea Mall	LE DIPLOMATE CAFÉ
2151 Brea Mall	GLORIA JEANS COFFEE
2152 Brea Mall	CINNABON
2157 Brea Mall	TACOS & COMPANY
2160 Brea Mall	XXXX
2162 Brea Mall	XXXX
2164 Brea Mall	XXXX
2166 Brea Mall	GARDEN COURMET& CA SQUEEZE
2170 Brea Mall	VITAMIN WORLD
2171 Brea Mall	DAIRY QUEEN
2172 Brea Mall	BOARDWALK-SU & SNOW
2006	
0 Brea Mall	WALDENBOOKS
0 Brea Mall	FUNCOLAND
0 Brea Mall	BORDERS EXPRESS
0 Brea Mall	GARYS TUX SHOPS
0 Brea Mall	KAY JEWELERS
0 Brea Mall	NEXTEL RETAIL STORES INC
0 Brea Mall	RADIOSHACK
0 Brea Mall	SEES CANDIES
100 Brea Mall	SEARS
120 Brea Mall	THE CHEESECAKE FACTORY
200 Brea Mall	MACY'S
200 Brea Mall	MACY'S WEST BREA
212 Brea Mall	PANDA EXPRESS
250 Brea Mall	RED LOBSTER RESTAURANTS
270 Brea Mall	OLIVE GARDEN ITALIAN REST BREA
300 Brea Mall	ROBINSONS-MAY BREA
400 Brea Mall	JC PENNEY OPTICAL
500 Brea Mall	NORDSTROM
600 Brea Mall	BJ'S RESTAURANT AND BREWERY
1001 Brea Mall	GLEN IVY DAY SPA
1003 Brea Mall	AUNTIE ANNES PRTZLS

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1004 Brea Mall	CHILDREN'S PLACE THE
1006 Brea Mall	AMER EAGLE OUTFITTERS
1006 Brea Mall	BEACH ACCESS INC
1007 Brea Mall	THINGS REMEMBERED
1008 Brea Mall	GAP KIDS
1009 Brea Mall	NATURALIZER WEST
1011 Brea Mall	DISCOVERY CHANNEL STORE
1011 Brea Mall	RAY-BAN
1013 Brea Mall	LUCKY BRAND DUNGAREES
1020 Brea Mall	JANIE & JACK STORE
1021 Brea Mall	ECCO SHOES
1022 Brea Mall	BEN BRIDGE JEWELER
1024 Brea Mall	APPLE STORE
1025 Brea Mall	FOREVER 21
1026 Brea Mall	THE LIMITED
1031 Brea Mall	CRESCENT JEWELERS
1034 Brea Mall	DUXIANA-THE DUX BED
1035 Brea Mall	JOURNEYS
1036 Brea Mall	BOARDWALK SURF SKATE&SNOW
1041 Brea Mall	WHITEHALL CO JEWELLERS THE
1042 Brea Mall	CATHY JEAN
1043 Brea Mall	SANRIO SURPRISES
1044 Brea Mall	LANE BRYANT
1044 Brea Mall	HELEN GRACE CHOCOLATES
1044 Brea Mall	GENL NUTRITION CENTER
1045 Brea Mall	SAM'S TAILORING & CUSTOM SHOP
1047 Brea Mall	REGIS SALON
1050 Brea Mall	PAC SUNWEAR
1052 Brea Mall	COACH STORE THE
1055 Brea Mall	GAP THE
1057 Brea Mall	PAC SUNWEAR
1059 Brea Mall	PERFUME GALLERY
1061 Brea Mall	SILHOUETTE
1062 Brea Mall	ALEXANDER'S HAIR INTERNATIONAL
1063 Brea Mall	JEWELER'S BENCH
1064 Brea Mall	SHOE CLINIC
1064 Brea Mall	LIZ'S NAILS
1065 Brea Mall	BREA MALL
1066 Brea Mall	HOT TOPIC
1066 Brea Mall	GUESS JEANS
1072 Brea Mall	LIFE UNIFORM& SHOE SHOPS
1080 Brea Mall	RED ROBIN
1101 Brea Mall	CRABTREE & EVELYN
1107 Brea Mall	CARLTON HAIR INTL
1108 Brea Mall	B & G
1108 Brea Mall	CARRAZ
1108 Brea Mall	OSIM USA INC
1110 Brea Mall	WINDSOR FASHIONS INC

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1110 Brea Mall	VILLAGE GALLERY THE
1113 Brea Mall	EVERYTHING BUT WTR
1114 Brea Mall	TALBOT'S
1116 Brea Mall	GODIVA CHOCOLATIER
1118 Brea Mall	FOOT LOCKER
1118 Brea Mall	CHARLOTTE RUSSE
1120 Brea Mall	THE BEST NAILS
1121 Brea Mall	VELLANO ENTERPRISE
1123 Brea Mall	CLAIRES BOUTIQUES
1134 Brea Mall	ANCHOR BLUE
2001 Brea Mall	CHIEN ET CHAT
2001 Brea Mall	HELEN'S BEAUTY SUPPLY & SALON
2002 Brea Mall	PICTURE PEOPLE THE
2003 Brea Mall	SPENCER GIFTS
2004 Brea Mall	DISNEY STORE INC
2005 Brea Mall	CHAMPS
2006 Brea Mall	CARLTON CARDS
2007 Brea Mall	WILSON'S SUEDE&LEATHER
2008 Brea Mall	AMY BIDDLE
2008 Brea Mall	ICING BY CLAIRE'S
2010 Brea Mall	GUCCINI
2011 Brea Mall	J CREW
2013 Brea Mall	BODY SHOP THE
2015 Brea Mall	BROOKSTONE CO
2016 Brea Mall	BANANA REPUBLIC
2021 Brea Mall	PETITE SOPHISTICATE
2027 Brea Mall	MRS FIELDS COOKIES
2027 Brea Mall	LIMITED TOO THE
2027 Brea Mall	CACHE
2037 Brea Mall	PHOTO PERFECTIONEST
2041 Brea Mall	EXPRESS
2044 Brea Mall	AVEDA ENVIROMENTAL LFSTYLS STR
2046 Brea Mall	COUNTRY COLLECTION
2047 Brea Mall	STRIDE RITE
2047 Brea Mall	BREA STRIDE RITE
2048 Brea Mall	RITZ CAMERA CENTERS BREA MALL
2049 Brea Mall	MATSUOKA STAN DR
2049 Brea Mall	YOSHIMURA AUDRA DR FAAO
2049 Brea Mall	N G MONIKA DR
2049 Brea Mall	NINOMIYA SANDRA DR
2052 Brea Mall	VAN'S TENNIS SHOES
2054 Brea Mall	BATH AND BODY WORKS
2055 Brea Mall	GYMBOREE STORE THE
2057 Brea Mall	BOSTONIAN SHOES
2058 Brea Mall	ILLUMINATIONS
2059 Brea Mall	LADY FOOTLOCKER
2062 Brea Mall	FREDERICK'S OF HOLLYWOOD
2065 Brea Mall	GRAPHICS

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2066 Brea Mall	RETRO RETRO
2066 Brea Mall	CHLOE ACCESSORIES INC
2067 Brea Mall	PAYLESS SHOESOURCE
2102 Brea Mall	SUNGLASS HUT INTL
2106 Brea Mall	PAPYRUS
2107 Brea Mall	BOMBAY
2108 Brea Mall	PRINTS PLUS
2109 Brea Mall	AMES APPAREL LLC
2111 Brea Mall	THOMSEN TOYS
2112 Brea Mall	LE DIPLOMATE CAFÉ
2116 Brea Mall	WATCH WORLD
2116 Brea Mall	WATCH WORKS
2117 Brea Mall	ANN TAYLOR
2121 Brea Mall	MOTHERHOOD MATERNITY
2151 Brea Mall	GLORIA JEANS COFFEE
2157 Brea Mall	TACOS & COMPANY
2159 Brea Mall	CHICKEN ROMA
2160 Brea Mall	CARL'S JR RESTAURANTS
2162 Brea Mall	VOLCANO TEA HOUSE
2163 Brea Mall	ARBY'S
2164 Brea Mall	GREAT STEAK&FRY THE
2166 Brea Mall	GARDEN GOURMET&CA SQUEEZE
2170 Brea Mall	VITAMIN WORLD
2170 Brea Mall	IGE ERIC DR
2171 Brea Mall	DAIRY QUEEN
2172 Brea Mall	KIDS BEST DESIGN
2002	
0 Brea Mall	GINGISS FORMALWEAR
0 Brea Mall	EXPRESS
0 Brea Mall	FOOT ACTION FAN CLB
0 Brea Mall	GARYS TUX SHOPS
0 Brea Mall	KAY JEWELERS
0 Brea Mall	LETS TALK CLLLR&WRLSS INC
0 Brea Mall	RADIOSHACK
0 Brea Mall	REGIS SALON
0 Brea Mall	SEARS PORTRAIT STUDIO
0 Brea Mall	SEES CANDIES
0 Brea Mall	SEARS TUXEDOS GARYS TUX SHOPS
0 Brea Mall	WALDENBOOKS
0 Brea Mall	CACHE
100 Brea Mall	SEARS
200 Brea Mall	MACYS
212 Brea Mall	PANDA EXPRESS
250 Brea Mall	SEAFOOD BROILER RESTAURANTS
250 Brea Mall	RED LOBSTER RSTRNT
270 Brea Mall	OLIVE GARDEN REST
300 Brea Mall	ROBINSON MAY DEPARTMENT STORES
400 Brea Mall	J C PENNEY

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500 Brea Mall	NORDSTROM
600 Brea Mall	AIRTH Gizella
600 Brea Mall	B J S RSTRNT&BRWHS
1001 Brea Mall	PAC BELL PCS STORE
1001 Brea Mall	WESTCOAST WIRELESS
1003 Brea Mall	AUNTIE ANNES PRTZLS
1004 Brea Mall	JUST SPORTS
1005 Brea Mall	WIZARDS OF THE COAST
1006 Brea Mall	BEACH ACCESS INC
1007 Brea Mall	THINGS REMEMBERED
1008 Brea Mall	GAP KIDS
1009 Brea Mall	NATURALIZER WEST
1011 Brea Mall	RAY BAN
1011 Brea Mall	NATURE COMPANY THE
1013 Brea Mall	LUCKY BRNAD DUNGAREES
1014 Brea Mall	XXXX
1021 Brea Mall	J STEPHENS
1022 Brea Mall	BEN BRIDGE JEWELER
1023 Brea Mall	DISNEY STORE INC
1024 Brea Mall	WET SEAL THE
1026 Brea Mall	LIMITED THE
1030 Brea Mall	LUX SENSE
1030 Brea Mall	FOREVER 21
1031 Brea Mall	CRESCENT JEWELERS
1034 Brea Mall	DUXIANA THE DUX BED
1034 Brea Mall	DUX
1035 Brea Mall	SAM&LIBBY
1036 Brea Mall	BOARDWALK SURF SKATE&SNOW
1037 Brea Mall	SAM GOODY
1041 Brea Mall	WHITEHALL CO JEWELLERS THE
1042 Brea Mall	CATHY JEAN
1043 Brea Mall	SANRIO SUPRISES
1044 Brea Mall	HELEN GRACE CHOCOLATES
1044 Brea Mall	O S I M USA INC
1045 Brea Mall	BIG&TALL MENS FASHIONS
1048 Brea Mall	GENERAL NUTRITION CENTER
1049 Brea Mall	SUNCOAST MOTN PCTR
1050 Brea Mall	PAC SUNWEAR
1051 Brea Mall	SUNGLASS HUT INTERNATL
1052 Brea Mall	COACH STORE THE
1053 Brea Mall	XXXX
1055 Brea Mall	GAP THE
1057 Brea Mall	JUDY S Hallmark
1059 Brea Mall	PERFUME GALLERY
1061 Brea Mall	SILHOUETTE
1062 Brea Mall	LINEAR HAIR INC
1063 Brea Mall	JEWELERS BENCH
1064 Brea Mall	NATURALIZER WEST

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1065 Brea Mall	BREA MALL
1066 Brea Mall	HOT TOPIC
1066 Brea Mall	GUESS JEANS
1066 Brea Mall	CRYSTAL TREASURES ETC
1072 Brea Mall	LIFE UNIFORM SHOP
1080 Brea Mall	RED ROBIN
1101 Brea Mall	CRABTREE&EVELYN
1104 Brea Mall	TRUE COLORS
1105 Brea Mall	XXXX
1106 Brea Mall	ATHLETE S FOOT THE
1107 Brea Mall	CARLTON HAIR INTL
1108 Brea Mall	CARRAZ WHITE ORCHID
1110 Brea Mall	VILALGE GALLERY THE
1110 Brea Mall	WINDSOR FASHIONS INC
1110 Brea Mall	HARRIS&FRANK INC
1112 Brea Mall	XXXX
1113 Brea Mall	EVERYTHING BUT WTR
1114 Brea Mall	TALBOTS
1116 Brea Mall	GODIVA CHCOLATIER
1117 Brea Mall	XXXX
1118 Brea Mall	FOOT LOCKER
1118 Brea Mall	CHARLOTTE RUSSE
1118 Brea Mall	KIDS FOOT LOCKER 46753
1120 Brea Mall	BEST NAILS THE
1121 Brea Mall	NOBLE&WILD LUGGAGE
1122 Brea Mall	FRUZEN Mix
1122 Brea Mall	SAMS TAILORING&CUSTOM SHOP
1123 Brea Mall	CLAIRES BOUTIQUES
1134 Brea Mall	MILLER S OUTPOST
2001 Brea Mall	HELENS BEAUTY SUPPLY&SALON
2001 Brea Mall	CHIEN ET CHAT
2002 Brea Mall	PICTURE PEOPLE THE
2003 Brea Mall	SPENCER GIFTS
2004 Brea Mall	K B TOYS
2005 Brea Mall	CHAMPS
2006 Brea Mall	CARLTON CARDS
2007 Brea Mall	WILSON S SUEDE&LEATHER
2008 Brea Mall	ICING THE
2010 Brea Mall	GUCCINI
2013 Brea Mall	BODY SHOP THE
2014 Brea Mall	XXXX
2015 Brea Mall	BROOKSTONE CO
2016 Brea Mall	BANANA REPUBLIC
2020 Brea Mall	FRED MEYERS JEWELERS
2021 Brea Mall	PETITE SOPHISTICATE
2024 Brea Mall	STRUCTURE
2027 Brea Mall	MRS FIELDS COOKIES
2027 Brea Mall	LIMITED TOO THE

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2037 Brea Mall	STAR IMAGE
2044 Brea Mall	AVEDA ENVIROMENTAL LFSTYLS STR
2046 Brea Mall	COUNTRY COLLECTION
2047 Brea Mall	BREA STRIDE RITE
2047 Brea Mall	STRIDE RITE
2048 Brea Mall	RITZ CAMERA CENTERS
2049 Brea Mall	KNIFE GALLERY INC
2050 Brea Mall	HOME DESIGN
2051 Brea Mall	SHOE CLINIC
2052 Brea Mall	CALIF CRISP
2052 Brea Mall	VAN S TENNIS SHOES
2054 Brea Mall	BATH AND BODY WORKS
2055 Brea Mall	GYMBOREE STORE THE
2057 Brea Mall	BOSTONIAN SHOES
2058 Brea Mall	ILLUMINATIONS
2059 Brea Mall	LADY FOOTLOCKER
2062 Brea Mall	FREDERICKS HOLLYWD
2063 Brea Mall	LENSCRAFTERS
2063 Brea Mall	EYEXAM 2000 OF CALIFORNIA INC
2063 Brea Mall	DOCTORS OF OPTOMETRY
2064 Brea Mall	XXXX
2066 Brea Mall	NOTHING BUT SILVER
2067 Brea Mall	PAYLESS SHOESOURCE
2067 Brea Mall	CARTOON Field
2101 Brea Mall	FRANKLIN MINT
2102 Brea Mall	SUNGLASS HUT INTL
2103 Brea Mall	XXXX
2104 Brea Mall	BENETTON
2106 Brea Mall	PAPYRUS
2107 Brea Mall	BOMBAY COMPANY THE
2108 Brea Mall	PRINTS PLUS
2109 Brea Mall	AMES LADIES WEAR
2110 Brea Mall	MUSICLAND
2111 Brea Mall	THOMAS STATION
2112 Brea Mall	LE DIPLOMATE CAFÉ
2116 Brea Mall	WATCH WORKS
2117 Brea Mall	ANN TAYLOR
2121 Brea Mall	MOTHERHOOD MATERNITY
2122 Brea Mall	XXXX
2124 Brea Mall	CANDY EXPRESS
2151 Brea Mall	GLORIA JEANS COFFEE
2156 Brea Mall	DAIRY QUEEN
2157 Brea Mall	TACOS&COMPANY
2160 Brea Mall	CARLS JR RESTAURANT
2162 Brea Mall	VOLCANO TEA HOUSE
2163 Brea Mall	ARBYS
2164 Brea Mall	GREAT STEAK&FRY THE
2166 Brea Mall	GARDEN GOURMET&CALIF SQUEEZE

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2170 Brea Mall	IGE ERIC DR
2170 Brea Mall	MATSUOKA STAN DR
2170 Brea Mall	MURATA KENNETH DR
2171 Brea Mall	CUSTOM IMAGES
2172 Brea Mall	KIDS BEST DESIGN
1996	
0 Brea Mall	SOFTWARE ETC
0 Brea Mall	SEARS TUX DEN
0 Brea Mall	MOTHERHOOD
0 Brea Mall	KAY JEWELERS
0 Brea Mall	HOUSEHOLD FINANCE
0 Brea Mall	GINGISS FORMALWEAR
0 Brea Mall	FOOT ACTION FAN CLB
0 Brea Mall	EXPRESSLY PORTRAITS
0 Brea Mall	EXPRESS
0 Brea Mall	CACHE
0 Brea Mall	BABBAGES SOFTWARE
0 Brea Mall	B DALTON BOOKSELLER
0 Brea Mall	A T&T COMPANY
0 Brea Mall	WALDENBOOKS
100 Brea Mall	SEARS
180 Brea Mall	RED ROBIN BRGR&SPRT
200 Brea Mall	BROADWAY STR
204 Brea Mall	1 POTATO 2 INC
206 Brea Mall	HAAGEN DAZS ICE CRM
212 Brea Mall	PANDA EXPRESS
217 Brea Mall	XXXX
250 Brea Mall	RED LOBSTER RSTRNT
270 Brea Mall	OLIVE GARDEN REST
300 Brea Mall	ROBINSONS MAY TRVL
300 Brea Mall	ROBINSONS MAY
400 Brea Mall	J C PENNEY
500 Brea Mall	NORDSTROM
600 Brea Mall	CORNERSTONE GRILL
1000 Brea Mall	XXXX
1001 Brea Mall	UNITD ARTISTS CNMA
1002 Brea Mall	XXXX
1003 Brea Mall	AUNTIE ANNES PRTZLS
1004 Brea Mall	PRO IMAGE THE
1005 Brea Mall	XXXX
1006 Brea Mall	BEACH ACCESS INC
1007 Brea Mall	THINGS REMEMBERED
1008 Brea Mall	GAP KIDS
1008 Brea Mall	COLORADO
1009 Brea Mall	NATURALIZER WEST
1010 Brea Mall	XXXX
1011 Brea Mall	NATURE COMPANY THE
1012 Brea Mall	ACCESSORY LADY

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1013 Brea Mall	AT OUR HOUSE
1014 Brea Mall	MUSEUM CO THE
1015 Brea Mall	AU BON PAIN
1016 Brea Mall	WILLIAMS SONOMA
1017 Brea Mall	IMAGINARIUM
1018 Brea Mall	CONTEMPO CASUALS
1019 Brea Mall	PAC SUNWEAR
1020 Brea Mall	XXXX
1021 Brea Mall	J STEPHENS
1022 Brea Mall	XXXX
1023 Brea Mall	DISNEY STORE INC
1024 Brea Mall	WET SEAL THE
1025 Brea Mall	XXXX
1026 Brea Mall	LIMITED THE
1027 Brea Mall	XXXX
1028 Brea Mall	XXXX
1029 Brea Mall	XXXX
1030 Brea Mall	LUXSENSE
1031 Brea Mall	J BURTON JEWELERS
1031 Brea Mall	BURTON J JEWELERS
1034 Brea Mall	XXXX
1035 Brea Mall	DOLCIS SHOE STORE
1036 Brea Mall	DAVID JAMES MENS SH
1037 Brea Mall	SAM GOODY
1038 Brea Mall	XXXX
1040 Brea Mall	XXXX
1041 Brea Mall	LANDAU COLLECTION
1042 Brea Mall	GYMBOREE STORE THE
1043 Brea Mall	SANRIO SURPRISES
1044 Brea Mall	FITTING IMAGE
1045 Brea Mall	BIG&TALL MENS FSHNS
1048 Brea Mall	GENL NUTRITION CT
1049 Brea Mall	SUNCOAST MOTN PCTR
1050 Brea Mall	XXXX
1051 Brea Mall	SOLSTAR
1051 Brea Mall	HELEN GRACE CHOCLTE
1052 Brea Mall	COACH STORE THE
1053 Brea Mall	MIGHTY DUCKS STORE
1055 Brea Mall	GAP THE
1057 Brea Mall	HORSTMANS HALLMARK
1058 Brea Mall	XXXX
1059 Brea Mall	XXXX
1060 Brea Mall	XXXX
1061 Brea Mall	ILLUSIONS
1061 Brea Mall	GEMINI FINE JEWELRY
1061 Brea Mall	ALLUSIONS BRIDAL CT
1062 Brea Mall	LINEAR HAIR INC
1063 Brea Mall	XXXX

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1064 Brea Mall	SUNSHINE BEAUTY SPL
1064 Brea Mall	SUNSHINE CONVNCE ST
1064 Brea Mall	SUNSHINE CNVNNCE ST
1065 Brea Mall	BREA MALL
1066 Brea Mall	TODAYS DESIGN FURN
1066 Brea Mall	GUESS JEANS
1066 Brea Mall	CORPORATE PROPERTY
1066 Brea Mall	CA ORGANIC COTTON
1068 Brea Mall	XXXX
1072 Brea Mall	LIFE UNIFORM SHOP
1080 Brea Mall	XXXX
1082 Brea Mall	XXXX
1089 Brea Mall	XXXX
1091 Brea Mall	XXXX
1101 Brea Mall	CRABTREE&EVELYN
1102 Brea Mall	9 WEST
1103 Brea Mall	WILSONS HOUSE SUEDE
1105 Brea Mall	BEBE
1107 Brea Mall	CARLTON HAIR INTL
1108 Brea Mall	WHITE ORCHID
1109 Brea Mall	SEES CANDIES
1110 Brea Mall	HARRIS&FRANK
1112 Brea Mall	VILLAGE GALLERY THE
1113 Brea Mall	EVERYTHING BUT WTR
1113 Brea Mall	KINDERFOTO STUDIOS
1114 Brea Mall	TALBOTS
1116 Brea Mall	GODIVA CHOCOLATIER
1117 Brea Mall	BOMBAY COMPANY THE
1118 Brea Mall	CHARLOTTE RUSSE
1118 Brea Mall	FOOT LOCKER
1120 Brea Mall	BEST NAILS THE
1121 Brea Mall	KENSINGTON LUGGAGE
1122 Brea Mall	NAVAJO WEST
1122 Brea Mall	GLAMOUR SHOTS
1123 Brea Mall	THOMAS STATION
1124 Brea Mall	BEN BRIDGE JEWELER
1126 Brea Mall	XXXX
1128 Brea Mall	XXXX
1132 Brea Mall	XXXX
1134 Brea Mall	MILLERS OUTPST LEVI
1138 Brea Mall	XXXX
1142 Brea Mall	XXXX
1146 Brea Mall	XXXX
1150 Brea Mall	XXXX
2001 Brea Mall	HELENS BTY SPLY SLN
2003 Brea Mall	HOWARD&PHILS WEAR
2004 Brea Mall	PAYLESS SHOESOURCE
2005 Brea Mall	OSHMANS SPRTNG GOOD

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2006 Brea Mall	CARTON CARDS
2007 Brea Mall	KINNEY SHOES
2008 Brea Mall	ACCESSORY PLACE
2009 Brea Mall	XXXX
2010 Brea Mall	G GUCCINI
2011 Brea Mall	XXXX
2013 Brea Mall	BODY SHOP THE
2014 Brea Mall	WINDSOR FASHIONS
2015 Brea Mall	BROOKSTONE CO
2016 Brea Mall	BANANA REPUBLIC
2018 Brea Mall	XXXX
2021 Brea Mall	PETITE SOPHISTICATE
2022 Brea Mall	SESAME ST RETAIL
2024 Brea Mall	STRUCTURE
2027 Brea Mall	LIMITED TOO THE
2027 Brea Mall	MRS FIELDS COOKIES
2027 Brea Mall	PEA POD MATERNITY
2027 Brea Mall	PEARLE VISION EXPRS
2027 Brea Mall	PEARLE VISIONCARE
2027 Brea Mall	SPORTS FANTASY
2027 Brea Mall	SWEET FACTORY
2028 Brea Mall	XXXX
2032 Brea Mall	XXXX
2034 Brea Mall	XXXX
2036 Brea Mall	XXXX
2037 Brea Mall	SIGN OF GOOD TASTE
2038 Brea Mall	XXXX
2041 Brea Mall	XXXX
2042 Brea Mall	XXXX
2044 Brea Mall	XXXX
2045 Brea Mall	FLORSHEIM SHOE SHOP
2046 Brea Mall	COUNTRY COLLECTION
2047 Brea Mall	BREA STRIDE RITE
2047 Brea Mall	STRIDE RITE
2048 Brea Mall	KITS CAMERAS
2049 Brea Mall	KNIFE GALLERY INC
2050 Brea Mall	VANS TENNIS SHOES
2051 Brea Mall	LITTLE COBBLER THE
2052 Brea Mall	COPELANDS SPORTS
2052 Brea Mall	CA CRISP
2053 Brea Mall	XXXX
2054 Brea Mall	CACIQUE
2055 Brea Mall	JAY JACOBS FOR MEN
2056 Brea Mall	IMPOSTORS BREA MALL
2057 Brea Mall	BOSTONIAN SHOES
2058 Brea Mall	9&CO
2059 Brea Mall	LADY FOOTLOCKER
2060 Brea Mall	XXXX

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2062 Brea Mall	FREDERICKS HOLLYWD
2063 Brea Mall	XXXX
2064 Brea Mall	LECHTERS HOUSEWARE
2066 Brea Mall	HEALTHRIDER
2067 Brea Mall	XXXX
2069 Brea Mall	XXXX
2072 Brea Mall	TANIGUCHI SUMIO DR
2074 Brea Mall	XXXX
2078 Brea Mall	XXXX
2080 Brea Mall	RADIO SHACK A DIV
2082 Brea Mall	XXXX
2084 Brea Mall	XXXX
2086 Brea Mall	XXXX
2088 Brea Mall	XXXX
2101 Brea Mall	FRANKLIN MINT
2102 Brea Mall	MUSIC BOX THE
2103 Brea Mall	SNAPZ
2104 Brea Mall	PENDLETON BREA
2105 Brea Mall	XXXX
2106 Brea Mall	PAPYRUS
2107 Brea Mall	BANK OF ATQ RPRDCTN
2108 Brea Mall	RITZ CAMERA CENTER
2109 Brea Mall	AMES LADIES WEAR
2110 Brea Mall	MUSICLAND
2111 Brea Mall	G H Q
2112 Brea Mall	A PEA IN POD MTRNTY
2116 Brea Mall	MURATA PEARL CO CA
2117 Brea Mall	ANN TAYLOR
2118 Brea Mall	EDDIE BAUER
2119 Brea Mall	CLAIREAS BOUTIQUE
2119 Brea Mall	K T GROUP
2119 Brea Mall	KEEPING TIME
2119 Brea Mall	STRICTLY SUNGLASSES
2120 Brea Mall	KIDS BY DESIGN
2121 Brea Mall	XXXX
2122 Brea Mall	LE DIPLOMATE CAFÉ
2123 Brea Mall	PRINTS PLUS
2124 Brea Mall	CANDY EXPRESS
2130 Brea Mall	XXXX
2132 Brea Mall	XXXX
2136 Brea Mall	XXXX
2139 Brea Mall	XXXX
2151 Brea Mall	GLORIA JEANS COFFEE
2152 Brea Mall	CINNABON
2156 Brea Mall	DAIRY QUEEN
2157 Brea Mall	BAJA GRILL
2158 Brea Mall	XXXX
2160 Brea Mall	CARLS JR RESTAURANT

DRAFT

2161 Brea Mall	TERIYAKI TOKYO
2162 Brea Mall	BENNETTS PIT
2163 Brea Mall	ARBYS
2164 Brea Mall	GREAT STEAK&FRY THE
2167 Brea Mall	A&W HOT DOGS&MORE
2170 Brea Mall	MATSUOKA STAN DR
2170 Brea Mall	MURATA KENNETH DR
2171 Brea Mall	XXXX
1991	
0 Brea Mall	SOFTWARE ETC
0 Brea Mall	CACHE
0 Brea Mall	A T&T COMPANY
0 Brea Mall	GINGISS FORMALWEAR
0 Brea Mall	HOUSEHOLD FINANCE
0 Brea Mall	MARTIN L GALLERIES
0 Brea Mall	SHANNONS T SHIRTS
0 Brea Mall	SPENCER GIFTS
0 Brea Mall	SUNDAYS CHILD
0 Brea Mall	WESTMSTR LACE
0 Brea Mall	B DALTON BOOKSELLER
0 Brea Mall	MOTHERHOOD
100 Brea Mall	SEARS
180 Brea Mall	RED ROBIN BRGR&SPRT
200 Brea Mall	PIEKARSKI MARK J DR
200 Brea Mall	BROADWAY DEPT STORE
204 Brea Mall	1 POTATO 2 INC
206 Brea Mall	HAAGEN DAZS ICE CRM
212 Brea Mall	PANDA EXPRESS
217 Brea Mall	CA FRIES
250 Brea Mall	RED LOBSTER RSTRNT
270 Brea Mall	OLIVE GARDEN REST
270 Brea Mall	OLIVE GARDEN RSTRNT
300 Brea Mall	GILHOOLYS REST&PUB
300 Brea Mall	MAY CO FINE JEWELRY
300 Brea Mall	MAY CO
300 Brea Mall	MAY CO WRLD TRAVEL
400 Brea Mall	XXXX
500 Brea Mall	NORDSTROM
600 Brea Mall	MAGNOLIAS PEACH
600 Brea Mall	CREATIVE CONCEPTS
1000 Brea Mall	ZALES JEWELERS
1001 Brea Mall	UNITD ARTISTS CNMA
1002 Brea Mall	XXXX
1003 Brea Mall	HARDY SHOES
1004 Brea Mall	BREA PETS
1005 Brea Mall	SUMMIT CORP THE
1005 Brea Mall	CARD AMERICA
1007 Brea Mall	CHESS KING

DRAFT

1008 Brea Mall	LITTLE FOLKS
1008 Brea Mall	UNITD ARTIST CNMA 4
1010 Brea Mall	XXXX
1011 Brea Mall	NATURE COMPANY THE
1012 Brea Mall	RITZ CMRA CENTERS
1013 Brea Mall	AT OUR HOUSE
1014 Brea Mall	MUSEUM CO THE
1016 Brea Mall	WILLIAMS SONOMA
1018 Brea Mall	HICKORY FARMS OF OH
1019 Brea Mall	PAC SUNWEAR
1020 Brea Mall	CHESS KING
1021 Brea Mall	JOHNSTON&MURPHY SHP
1022 Brea Mall	KARLS TOYS FUNSPACE
1024 Brea Mall	XXXX
1026 Brea Mall	NATURALIZER WEST
1027 Brea Mall	CONTEMPO CASUALS
1028 Brea Mall	MURATA PEARL CO CA
1029 Brea Mall	TEDS CLOCK EMPORIUM
1030 Brea Mall	BROOKS FASHIONS
1030 Brea Mall	PEMBROOK MNG INC
1034 Brea Mall	FANFARES
1035 Brea Mall	RED EYE INC
1036 Brea Mall	DAVID JAMES MENS SH
1038 Brea Mall	XXXX
1040 Brea Mall	G H Q FOR MEN
1040 Brea Mall	DOLCIS SHOE STORE
1041 Brea Mall	CORPORATE PROPERTY
1042 Brea Mall	GYMBOREE STORE THE
1044 Brea Mall	WET SEAL INC THE
1047 Brea Mall	ALBERTOS JWLRY RPR
1048 Brea Mall	GENL NUTRITION CNTR
1049 Brea Mall	SWEATS&SURF KIDS
1050 Brea Mall	XXXX
1051 Brea Mall	HELEN GRACE CHOCLTE
1053 Brea Mall	SPORTELLE
1054 Brea Mall	PETRIES
1057 Brea Mall	THOM MCAN SHOE STRS
1058 Brea Mall	KINNEY SHOES
1059 Brea Mall	CLOTHESTIME INC THE
1060 Brea Mall	XXXX
1064 Brea Mall	SUNSHINE BEAUTY SPL
1064 Brea Mall	SUNSHINE CNVNNCE ST
1065 Brea Mall	ICING THE
1068 Brea Mall	J BURTON JEWELERS
1080 Brea Mall	XXXX
1082 Brea Mall	XXXX
1089 Brea Mall	LEEDS SHOE STORES
1091 Brea Mall	XXXX

DRAFT

1092 Brea Mall	LEAHS FABRIC GLLRY
1094 Brea Mall	XXXX
1096 Brea Mall	PARKLANE HOSIERY ST
1098 Brea Mall	XXXX
1101 Brea Mall	OPTIKS
1102 Brea Mall	9 WEST
1102 Brea Mall	WET SEAL
1103 Brea Mall	WILSONS HOUSE SUEDE
1105 Brea Mall	DEFOREST CONSTR INC
1105 Brea Mall	BEBE
1108 Brea Mall	CREATIVE GIFTS
1108 Brea Mall	BIG&TALL MENS FSHN
1108 Brea Mall	FORTY LOVE TENNIS
1109 Brea Mall	SEES CANDIES
1110 Brea Mall	XXXX
1113 Brea Mall	EVERYTHING BUT WTR
1113 Brea Mall	KINDERFOTO STUDIOS
1114 Brea Mall	TALBOTS
1116 Brea Mall	GODIVA CHOCOLATIER
1118 Brea Mall	FOOT LOCKER
1120 Brea Mall	XXXX
1121 Brea Mall	ROOTENS LUGGAGE STR
1122 Brea Mall	HALL J HERBERT JWLR
1124 Brea Mall	BEN BRIDGE JEWELER
1126 Brea Mall	XXXX
1128 Brea Mall	WOMANS WORLD SHOP
1130 Brea Mall	SAM GOODY
1132 Brea Mall	XXXX
1134 Brea Mall	MILLERS OUTPST LEVI
1138 Brea Mall	XXXX
1142 Brea Mall	XXXX
1146 Brea Mall	XXXX
1150 Brea Mall	XXXX
2001 Brea Mall	LERNER SHOPS
2002 Brea Mall	EXPERSSLY PORTRAITS
2003 Brea Mall	HOWARD&PHILS WESTRN
2006 Brea Mall	XXXX
2007 Brea Mall	BILL GAMBLES MNS WR
2008 Brea Mall	CHIC ACCESSORIES
2008 Brea Mall	PAYLESS SHOESOURCE
2009 Brea Mall	HATFIELD JEWELERS
2010 Brea Mall	JACQUES VERT USA
2010 Brea Mall	OSHMANS SPRTG GOODS
2014 Brea Mall	WINDSOR FASHIONS
2014 Brea Mall	CASUAL CORNER
2015 Brea Mall	BAILEY BANKS&BIDDLE
2016 Brea Mall	BRENTANOS
2018 Brea Mall	XXXX

DRAFT

2021 Brea Mall	ALLUSIONS A CONCEPT
2021 Brea Mall	CHARLOTTE RUSSE
2024 Brea Mall	XXXX
2027 Brea Mall	BREA MALL
2028 Brea Mall	XXXX
2032 Brea Mall	MANDARIN GEMS OF CA
2034 Brea Mall	UNITS
2036 Brea Mall	XXXX
2038 Brea Mall	XXXX
2041 Brea Mall	VALLEY HALLMARK
2042 Brea Mall	XXXX
2044 Brea Mall	GORDONS JEWLRS BREA
2046 Brea Mall	COUNTRY COLLECTION
2048 Brea Mall	CIRCUIT THE
2049 Brea Mall	KNIFE GALLERY INC
2050 Brea Mall	0 2 14
2052 Brea Mall	CA CRISP
2052 Brea Mall	COPELANDS SPORTS
2053 Brea Mall	THE GRT AMER STORY
2054 Brea Mall	SANTA ANITA LUGGAGE
2055 Brea Mall	JAY JACOBS FOR MEN
2056 Brea Mall	IMPOSTORS BREA MALL
2057 Brea Mall	HANOVER SHOE STORE
2058 Brea Mall	XXXX
2059 Brea Mall	LADY FOOTLOCKER
2063 Brea Mall	XXXX
2064 Brea Mall	LECHTERS HOUSEWARES
2066 Brea Mall	ALCALA
2067 Brea Mall	TOY BOX
2069 Brea Mall	XXXX
2072 Brea Mall	MURATA KENNETH DR
2072 Brea Mall	TANIGUCHI SUMIO DR
2074 Brea Mall	XXXX
2078 Brea Mall	XXXX
2080 Brea Mall	TANDY CNSMR ELTRNC
2080 Brea Mall	RADIO SHACK A DIV
2082 Brea Mall	WALDENBOOKS
2084 Brea Mall	XXXX
2086 Brea Mall	XXXX
2088 Brea Mall	C V S
2090 Brea Mall	GAP THE
2092 Brea Mall	XXXX
2094 Brea Mall	FLORSHEIM SHOE SHOP
2098 Brea Mall	XXXX
2100 Brea Mall	BROOKS SHOES KIDS
2102 Brea Mall	XXXX
2104 Brea Mall	PENDELTON Brea
2106 Brea Mall	PAPYRUS

DRAFT

2107 Brea Mall	BANK OF ATQ RPRDCTN
2109 Brea Mall	AMES LADIES WEAR
2110 Brea Mall	BREA GALLERY INC
2112 Brea Mall	XXXX
2117 Brea Mall	ANN TAYLOR
2118 Brea Mall	EDDIE Bauer
2120 Brea Mall	GREAT AMER STRY THE
2121 Brea Mall	SWEATS&SURF
2122 Brea Mall	LE DIPLOMATE CAFÉ
2123 Brea Mall	ETCETERA FASHION
2124 Brea Mall	XXXX
2130 Brea Mall	SIZE 5 7 9 SHOPS
2132 Brea Mall	XXXX
2136 Brea Mall	JUDYS
2139 Brea Mall	FREDERICKS OF HLYWS
2140 Brea Mall	LIMITED THE
2142 Brea Mall	XXXX
2156 Brea Mall	JAY JACOBS
2158 Brea Mall	XXXX
2160 Brea Mall	CARLS JR RESTAURANT
2162 Brea Mall	XXXX
2170 Brea Mall	MATSUOKA STAN DR
2171 Brea Mall	I NATURAL COSMETICS
1986	
0 Brea Mall	BLOCK H&R
0 Brea Mall	ANATOMY ASYLUM
0 Brea Mall	GINGISS FORMALWEAR
0 Brea Mall	MOTHERHOOD MATRNITY
0 Brea Mall	RICHARD SIMMONS
0 Brea Mall	VIDEO GALAXY
0 Brea Mall	SIMMONS R ANATOMY
100 Brea Mall	SEARS
200 Brea Mall	PIEKARSKI MARK J DR
200 Brea Mall	BROADWAY DEPT STORE
250 Brea Mall	SEAFOOD BROILER
300 Brea Mall	MAY COMPANY
300 Brea Mall	MAY CO WRLD TRAVEL
300 Brea Mall	GILHOOLYS REST&PUB
400 Brea Mall	ICE CAPADES CHALET
500 Brea Mall	NORDSTROM
600 Brea Mall	MAGNOLIAS PEACH
1000 Brea Mall	CRANDALL JOHN
1002 Brea Mall	GREAT EXPECTATNS PR
1005 Brea Mall	FLIPPER FLAPPER
1008 Brea Mall	UNITD ARTISTS CIN4
1010 Brea Mall	XXXX
1012 Brea Mall	HARDY SHOES
1014 Brea Mall	BREA PETS

DRAFT

1016 Brea Mall	SHAFFER CARDS
1018 Brea Mall	HICKORY FARMS OF OH
1020 Brea Mall	CHESS KING
1022 Brea Mall	KARLS TOYS HOBBIES
1026 Brea Mall	FASHION CONSPIRACY
1028 Brea Mall	JEANS WEST INC
1030 Brea Mall	TOWNE PLAZA GALLERY
1036 Brea Mall	RITZ CAMERA CENTERS
1038 Brea Mall	HOME FITNESS
1040 Brea Mall	G H Q FOR MEN
1042 Brea Mall	WICKS N STICKS
1046 Brea Mall	ZALES JEWELERS
1048 Brea Mall	WET SEAL INC THE
1050 Brea Mall	HARRIS&FRANK BREA
1054 Brea Mall	PETRIES
1058 Brea Mall	KINNEY SHOES BREA
1060 Brea Mall	CONTEMPO CASUALS
1063 Brea Mall	LAWSONS JEWELERS
1064 Brea Mall	TEDS CLOCK EMPORIUM
1065 Brea Mall	BROOKS FASHIONS
1068 Brea Mall	MATSUOKA STAN DR
1068 Brea Mall	MURATA KENNETH DR
1080 Brea Mall	C PS GRILLE
1080 Brea Mall	LAREDOS
1082 Brea Mall	REGAL SHOE SHOP
1086 Brea Mall	RED EYE INC
1088 Brea Mall	DAVID JAMES MENS SH
1089 Brea Mall	LEEDS SHOE STORES
1091 Brea Mall	HOWARDS WESTERN WR
1092 Brea Mall	LEAHS FBRC GLLERY
1094 Brea Mall	BAKER C H SHOE STR
1096 Brea Mall	PARKLANE HOSIERY ST
1098 Brea Mall	XXXX
1100 Brea Mall	DECK THE WALLS
1102 Brea Mall	XXXX
1108 Brea Mall	BIG&TALL MENS FSHN
1110 Brea Mall	BUFFALO CONNECTION
1113 Brea Mall	MAGIC RAZOR NAIL BR
1113 Brea Mall	MAGIC RAZOR
1114 Brea Mall	GENERAL NUTRITON CT
1116 Brea Mall	VIDEO CONCEPTS
1118 Brea Mall	FOOT LOCKER
1120 Brea Mall	HELEN GRACE CHOCOLT
1122 Brea Mall	XXXX
1124 Brea Mall	SUSIES CASUALS
1126 Brea Mall	B DALTON BOOKSELLER
1126 Brea Mall	DALTON B BOOKSELLER
1128 Brea Mall	WOMANS WORLD SHOP

DRAFT

1130 Brea Mall	MUSICLAND
1132 Brea Mall	THOM MCAN SHOE STR
1134 Brea Mall	MILLERS OUTPST LEVI
1138 Brea Mall	FOXMOOR CASUALS
1140 Brea Mall	GOOD LOOKS BTY SPLY
1140 Brea Mall	GOOD LOCKS NAIL BAR
1142 Brea Mall	XXXX
1146 Brea Mall	AT OUR HOUSE
1150 Brea Mall	SALMAGUNDI
1150 Brea Mall	SALMAGUNDI MENU
1152 Brea Mall	LITTLE FOLK SHOP
1154 Brea Mall	PRIVATE MOMENTS
1156 Brea Mall	DALES FOOTWORKS
1901 Brea Mall	XXXX
2000 Brea Mall	LERNER SHOP
2004 Brea Mall	PAC SUNWEAR
2006 Brea Mall	HOUSE OF FABRICS
2006 Brea Mall	HOUSE FABRICS MACH
2006 Brea Mall	SINGER SEWING MACHN
2008 Brea Mall	GALLENKAMP SHOES
2010 Brea Mall	OSHMANS SPORTNG GDS
2014 Brea Mall	CASUAL CORNER
2016 Brea Mall	BILL GAMBLE MENS WR
2018 Brea Mall	CHIC ACESSORIES
2020 Brea Mall	HATFIELD JEWELERS
2024 Brea Mall	TOY BOX
2027 Brea Mall	BREA MALL
2028 Brea Mall	FREDERICKS OF HLYWD
2030 Brea Mall	WILSONS HS OF SUEDE
2032 Brea Mall	MANDARIN GEMS BREA
2034 Brea Mall	HILANDS TOBCCO LCKR
2036 Brea Mall	KINDERFOTO
2038 Brea Mall	JACKIES FASHION CTR
2040 Brea Mall	COOKS CORNER
2042 Brea Mall	PABLOS KITCHEN
2046 Brea Mall	TERIYAKI HOUSE
2048 Brea Mall	FAMOUS RAMOS HOT DG
2050 Brea Mall	CAROUSEL PIZZA
2052 Brea Mall	L A CRISP
2054 Brea Mall	CHINESE KING
2056 Brea Mall	CORN DOG ON A STICK
2057 Brea Mall	XXXX
2058 Brea Mall	FILLING STATION THE
2059 Brea Mall	TIFFANYS BAKERY
2060 Brea Mall	HAAGEN DAZS ICE CRM
2062 Brea Mall	1 POTATO 2 INC
2063 Brea Mall	NATURALIZER WEST
2064 Brea Mall	THIRSTYS BREA INC

DRAFT

2065 Brea Mall	CARTOON JUNCTION
2066 Brea Mall	WINE SHOPPE ETC THE
2068 Brea Mall	MALL MUNCHIES
2069 Brea Mall	THE SUNGLASS
2069 Brea Mall	SUNGLASS THE
2074 Brea Mall	WILD TOPS
2076 Brea Mall	XXXX
2078 Brea Mall	WHEREHOUSE THE
2080 Brea Mall	RADIO SHACK RTL STR
2082 Brea Mall	WALDENBOOKS
2082 Brea Mall	HOBBYMAN
2084 Brea Mall	XXXX
2086 Brea Mall	VALLEY HALLMARK
2088 Brea Mall	C V S
2090 Brea Mall	GAP THE
2092 Brea Mall	GORDONS JEWELERS
2094 Brea Mall	FLORSHEIM SHOE SHOP
2098 Brea Mall	COUNTRY COLLECTION
2100 Brea Mall	STRIDE RITE BOOTERY
2100 Brea Mall	BARRYS STRIDE RITE
2102 Brea Mall	CIRCUIT THE
2104 Brea Mall	KNIFE GALLERY THE
2106 Brea Mall	PAPPAGALLO SHOES
2110 Brea Mall	ON THE GO TRAVEL SV
2112 Brea Mall	KAPLANS DELI&REST
2120 Brea Mall	THE GRT AMERCN STRY
2120 Brea Mall	GREAT AM SHRT STRY
2122 Brea Mall	SANTA ANITA LUGGAGE
2124 Brea Mall	JOELS
2126 Brea Mall	MORROWS NUT HOUSE
2128 Brea Mall	HANOVER SHOE STORE
2130 Brea Mall	SIZE 5 7 9 SHOPS
2132 Brea Mall	XXXXX
2134 Brea Mall	SPENCER GIFTS
2136 Brea Mall	JUDYS
2139 Brea Mall	JOYCE SELBY SHOES
2140 Brea Mall	LIMITED THE
2142 Brea Mall	WOODTOWNE FURN CO
2144 Brea Mall	MALING SHOES
2146 Brea Mall	XXXX
2148 Brea Mall	HANSEL N GRETEL SHP
2152 Brea Mall	BANK ANTQ RPRDCTNS
2154 Brea Mall	I NATURAL COSMETICS
2156 Brea Mall	JAY JACOBS
2158 Brea Mall	WINDSOR FASHIONS
2162 Brea Mall	SLAVICS JEWELERS
1981	
0 Brea Mall	VONDETTS MENS WEAR

DRAFT

0 Brea Mall	MOTHERHOOD MATRNTY
0 Brea Mall	BREA MALL HOMERT
0 Brea Mall	MAGIC PAN RSTRNT
100 Brea Mall	SEARS
200 Brea Mall	PIEKARSKI MARK J DR
200 Brea Mall	BROADWAY DEPRTMNT
300 Brea Mall	MAY COMPANY
300 Brea Mall	MAY CO WLRD TRVL BR
400 Brea Mall	BREA MALL ICE CAPAD
400 Brea Mall	ICE CAPADES CHALET
500 Brea Mall	NORDSTROM
1000 Brea Mall	ROBERTS WM JEWELERS
1005 Brea Mall	BREA MALL FLIP FLAP
1005 Brea Mall	FLIPPER FLAPPER
1008 Brea Mall	UNITD ARTISTS CIN4
1008 Brea Mall	GRANGER CLYDE
1010 Brea Mall	BREA MALL GINGISS
1010 Brea Mall	GINGISS FORMALWEAR
1012 Brea Mall	HARDY SHOE STORES
1014 Brea Mall	BREA PETS
1016 Brea Mall	BREA MALL SHAFFER
1016 Brea Mall	SHAFFER CARDS
1018 Brea Mall	BREA MALL HICKRY FM
1018 Brea Mall	HICKORY FARMS OF OH
1020 Brea Mall	CHESS KING DSTRCT
1020 Brea Mall	CHESS KING
1022 Brea Mall	BREA MALL KARLS TOY
1022 Brea Mall	KARLS TOYS HOBBIES
1026 Brea Mall	FASHION CONSPIRACY
1028 Brea Mall	BREA MALL JEANS WES
1028 Brea Mall	JEANS WEST INC
1030 Brea Mall	TOWNE PLAZA GALLERY
1030 Brea Mall	BREA MALL GOULD MUS
1036 Brea Mall	HOUSE OF TERRY
1038 Brea Mall	BARNEYS
1042 Brea Mall	WICKS N STICKS
1046 Brea Mall	ZALES JWLRS BREA
1048 Brea Mall	BREA MALL WET SEAL
1048 Brea Mall	WET SEAL INC THE
1050 Brea Mall	HARRIS&FRANK BREA
1050 Brea Mall	BREA MALL HARS&FRNK
1054 Brea Mall	PETRIES
1058 Brea Mall	KINNEY SHOES
1058 Brea Mall	BREA MALL KINNEY SH
1060 Brea Mall	CONTEMPO CASUALS
1060 Brea Mall	BREA MALL CONTEMPO
1063 Brea Mall	BREA MALL LWSON JWL
1063 Brea Mall	LAWSONS JEWELERS

DRAFT

1064 Brea Mall	PANTS ETC
1064 Brea Mall	BREA MALL PANTS ETC
1065 Brea Mall	NOBBY
1068 Brea Mall	MATSUOKA STAN DR
1068 Brea Mall	MURATA KENNETH DR
1068 Brea Mall	TANIGUCHI SUMIO DR
1082 Brea Mall	REGAL SHOE SHOP
1086 Brea Mall	BREA MALL PIGEONS
1086 Brea Mall	PIGEONS BOUTIQUE
1088 Brea Mall	CAROLS BATH&BEDDERY
1089 Brea Mall	LEEDS SHOE STORES
1094 Brea Mall	BREA MALL BAKER C H
1094 Brea Mall	BAKER C H SHOE STR
1094 Brea Mall	BAKER C H SHOES
1096 Brea Mall	BREA MALL PKLNE HOS
1096 Brea Mall	PARKLANE HOSIERY ST
1098 Brea Mall	BREA MALL D J CLTHG
1098 Brea Mall	DAVID JAMES MNS SHP
1102 Brea Mall	HOTEL FOR HBRDSHRY
1108 Brea Mall	BIG&TALL MENS FSHN
1110 Brea Mall	BRASS BED THE
1113 Brea Mall	MAGIC RAZOR
1113 Brea Mall	MAGIC RAZOR NAIL BR
1113 Brea Mall	BREA MALL MAGIC RAZ
1114 Brea Mall	GENERAL NUTRITON CT
1116 Brea Mall	VIDEO CONCEPTS
1118 Brea Mall	BREA MALL FT LCKER
1118 Brea Mall	FOOT LOCKER
1118 Brea Mall	FOOTLOCKER STORE
1120 Brea Mall	HELEN GRACE CANDIES
1122 Brea Mall	HALL J H JEWELERS
1122 Brea Mall	BREA MALL H J JWLRS
1124 Brea Mall	SUSIES CASUALS
1126 Brea Mall	B DALTON BOOKSELLER
1126 Brea Mall	BREA MALL B DALTON
1128 Brea Mall	BREA MALL WMNS WRLD
1128 Brea Mall	WOMANS WORLD SHOP
1130 Brea Mall	BREA MALL MUSICLAND
1130 Brea Mall	MUSICLAND
1132 Brea Mall	THOM MCAN SHOE STR
1132 Brea Mall	BREA MALL THOM MCAN
1134 Brea Mall	BREA MALL M OUTPOST
1134 Brea Mall	MILLERS OUTPST LEVI
1138 Brea Mall	FOXMOOR CASUALS
1140 Brea Mall	BREA MALL GD BTY SL
1140 Brea Mall	GOOD LOOKS BTY SPLY
1140 Brea Mall	GOOD LOOKS NAIL BAR
1142 Brea Mall	CREATIVE CORNERS

DRAFT

1146 Brea Mall	AT OUR HOUSE
1150 Brea Mall	SALMAGUNDI
1156 Brea Mall	JAY JORDAN SHOES
2000 Brea Mall	LERNER SHOP
2004 Brea Mall	XXXX
2006 Brea Mall	HOUSE OF FABRICS
2008 Brea Mall	GALLENKAMP SHOES
2008 Brea Mall	BREA MALL GALLENKMP
2010 Brea Mall	BREA MALL HSE FABIC
2010 Brea Mall	OSHMANS SPORTNG GDS
2014 Brea Mall	CASUAL CORNER
2016 Brea Mall	BILL GAMBLE MENS WR
2018 Brea Mall	BREA MALL CHIC ASSE
2018 Brea Mall	CHIC ACESSORIES
2020 Brea Mall	BREA MALL HTFLD JWL
2020 Brea Mall	HATFIELD JEWELERS
2024 Brea Mall	BREA MALL TOY BOX
2024 Brea Mall	TOY BOX
2027 Brea Mall	NATL UNIFORM SHOPS
2027 Brea Mall	BREA MALL MANAGMNT
2027 Brea Mall	HOMART DEVELOPMENT
2028 Brea Mall	WINNING WOMEN THE
2030 Brea Mall	HILANDS TOBCCO LCKR
2030 Brea Mall	BREA MALL W HSE SUE
2036 Brea Mall	KINDERFOTO
2036 Brea Mall	BREA MALL KINDERFOT
2038 Brea Mall	JACKIES FASHION CTR
2040 Brea Mall	BREA MALL MS OS PAN
2040 Brea Mall	MS OS PAN TREE
2042 Brea Mall	PABLOS KITCHEN
2042 Brea Mall	BREA MALL PBLS KTCH
2042 Brea Mall	BREA MALL ORG JULIS
2042 Brea Mall	BREA MALL HAMBRG
2046 Brea Mall	BREA MALL THE PIER
2046 Brea Mall	PIER THE
2048 Brea Mall	BREA MALL R HOT DGS
2048 Brea Mall	FAMOUS RAMOS HOT DG
2050 Brea Mall	BREA MALL CAROUSEL
2050 Brea Mall	CAROUSEL PIZZA
2052 Brea Mall	SULTANS DEN
2054 Brea Mall	BREA MALL CHNESE KG
2054 Brea Mall	CHINESE KING
2057 Brea Mall	SKYLINE WEST
2058 Brea Mall	EARL OF SANDWICH
2059 Brea Mall	TIFFANYS BAKERIES
2060 Brea Mall	SCOOPING STATION
2060 Brea Mall	BREA MALL SCOOP STA
2063 Brea Mall	BREA MALL NATURALZR

DRAFT

2063 Brea Mall	NATURALIZER WEST
2064 Brea Mall	BEJEWELED OF BREA
2066 Brea Mall	BREA MALL DONUT SHP
2066 Brea Mall	WINCHELLS DONUT HSE
2068 Brea Mall	MALL MUNCHIES
2069 Brea Mall	SUNGLASS THE
2074 Brea Mall	BREA MALL T SHIRTS
2074 Brea Mall	CALIF T SHIRTS
2076 Brea Mall	ALLTIME INC
2076 Brea Mall	BREA MALL ALLTIME I
2078 Brea Mall	WHEREHOUSE THE
2080 Brea Mall	RADIO SHACK BREA
2080 Brea Mall	BREA MALL RDO SHACK
2082 Brea Mall	HOBBYMAN
2082 Brea Mall	BREA MALL HOBBYMAN
2084 Brea Mall	WALDEN BOOKS
2086 Brea Mall	BREA MALL VLY HLLMK
2086 Brea Mall	VALLEY HALLMARK
2088 Brea Mall	BREA MALL C V S
2088 Brea Mall	C V S
2090 Brea Mall	BREA MALL GAP THE
2090 Brea Mall	GAP THE
2092 Brea Mall	GORDONS JEWELERS
2092 Brea Mall	BREA MALL GORDONS
2094 Brea Mall	BREA MALL FLORSHEIM
2094 Brea Mall	FLORSHEIM SHOE STRS
2098 Brea Mall	BREA MALL CO CLLECT
2098 Brea Mall	COUNTRY COLLECTION
2100 Brea Mall	BREA MALL STRIDE RI
2100 Brea Mall	STRIDE RITE BOOTERY
2100 Brea Mall	BARRYS STRIDE RITE
2102 Brea Mall	CIRCUIT THE
2102 Brea Mall	BREA MALL CIRCUIT
2104 Brea Mall	KNIFE GALLERY THE
2106 Brea Mall	SHOP FOR PAPPAGLLO
2106 Brea Mall	BREA MLL PAPPAGALLO
2110 Brea Mall	BREA MALL ON THE GO
2110 Brea Mall	ON THE GO TRAVEL SV
2112 Brea Mall	KAPLANS DELI&REST
2112 Brea Mall	BREA MALL KPLNS DEL
2122 Brea Mall	SANTA ANITA LUGGAGE
2124 Brea Mall	BREA MALL JOELS
2124 Brea Mall	JOELS
2126 Brea Mall	BREA MALL M NUT HSE
2126 Brea Mall	MORROWS NUT HOUSE
2128 Brea Mall	HANOVER SHOES
2130 Brea Mall	SIZE 5 7 9 SHOPS
2132 Brea Mall	ACCENT MUSIC

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2132 Brea Mall	BREA MALL ACCNT MUS
2134 Brea Mall	SPENCER GIFTS
2134 Brea Mall	BREA MALL SPENCER
2136 Brea Mall	JUDYS
2139 Brea Mall	JOYCE SELBY SHOES
2140 Brea Mall	LIMITED THE
2142 Brea Mall	WOODTOWNE
2144 Brea Mall	MALING SHOES
2146 Brea Mall	SINGER COMPANY THE
2146 Brea Mall	PALS VAC SEW CNTRS
2146 Brea Mall	BREA MALL PAL VACUM
2148 Brea Mall	BREA MALL HNSL&GRTL
2148 Brea Mall	HANSEL N GRETEL SHP
2152 Brea Mall	CAFÉ BEIGNET
2154 Brea Mall	I NATURAL COSMETICS
2156 Brea Mall	GENES
2158 Brea Mall	WINDSOR FASHIONS
2162 Brea Mall	SLAVICS JEWELERS

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Research Summary for City Directory Abstract

Site Location:
100 Brea Mall
Brea, CA

HIG Project #:
148383

Date Completed:
10/2/2014

Historical Information Gatherers

Conducted For:
Terracon Consultants, Inc.
Sacramento, CA

HIG has produced a city directory abstract for one or more streets associated with the site location indicated above. The publications used to create the CD Abstract are listed below.

The information below is taken directly from the city directory books. The following are definitions as they are found in the Haines books:

XXXX = is no phone, no people or non-published phone.
600 XXXX = Correct address only. No other information.
X Streetname = intersecting cross street

Publication year, publisher and title.

2011 Haines North Orange County

2006 Haines North Orange County

2002 Haines North Orange County

1996 Haines North Orange County

1991 Haines North Orange County

1986 Haines Orange County

1981 Haines Orange County

1976 Haines Orange County

1971 Haines Orange County

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Abstract Section 1- This section includes the city directory data sorted by address.

891 East Imperial Highway

2011	FIRESTONE CMPLT ATO CR ANHM
2006	FIRESTONE TIRE & SERV CNTR
2002	FIRESTONE TIRE&SERVICE CNTR
1996	FIRESTONE TIRE CNTR
1991	FIRESTONE MASTERCRE
1986	FIRESTONE STORES
1981	FIRESTONE BREA

900 East Imperial Highway

2011	ALPHAGRAPHIC
2006	ALPHAGRAPHICS
2002	ALPHAGRAPHICS
2002	ALPHA GRAPHICS
1996	BREA BICYCLE WORKS
1991	BREA SCHWINN CYCLRY
1986	XXXX
1981	GENES SPRTNG GOODS

903 East Imperial Highway

2011	MATTRESS ETC
2006	MIDAS AUTO SERVICE EXPERTS
2002	MIDAS AUTO SERVICE EXPERTS
1996	MIDAS MUFFLER&BRAKE
1991	MIDAS MUFFLER&BRAKE
1986	MIDAS MUFFLER SHOPS
1981	MIDAS MUFFLER SHOPS

904 East Imperial Highway

2011	STATE FARM INS NEW LOCATION
2006	GOEDL RICH INS
2006	STATE FARM INS COMPANIES
2002	XXXX
1996	SIR SPEEDY PRINTING
1991	CARPETIME
1986	CARPETIME
1981	CLOTHES R US

908 East Imperial Highway

2011	E BUY GOLD INC
2006	H & R BLOCK
2002	H&R BLOCK
2002	BLOCK H&R
1996	BLOCK H&R
1991	BLOCK H&R
1986	EYE CARE USA
1981	JIM EMERY REAL ESTE

910 East Imperial Highway

2002	XXXX
1996	XXXX

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1991	XXXX
1986	XXXX
1981	XXXX
1976	XXXX

912 East Imperial Highway

2011	FITLA CO
2006	NEW HORIZONS NUTRTN
2002	NEW HORIZONS NUTRTN
1996	NEW HORIZONS NUTRTN
1991	NEW HORIZON NUTRITN
1986	NEW HORIZON NUTRITN
1981	ASSOCTS FNCL BREA

916 East Imperial Highway

2011	ANDERSEN G Douglas
2006	ANDERSEN G DOUGLAS DC
2002	DOUGLAS DC
2002	ANDERSEN G
1996	ANDERSEN G D DC
1991	ANDERSEN G D DC
1991	TENCKHOFF CARL DC
1986	TENCKHOFF CARL DC
1986	TENCKHOFF RANDY DC
1981	STORK STOP

920 East Imperial Highway

2011	PAPER WONDERS
2006	BILLS LOCK & SAFE SERVICE
2006	COMMERCL LOCK & SECURITY
2002	COMLOCK SECURITY GROUP
2002	COMMERCIAL LOCK&SECURITY SHOP
2002	COMMERCL LOCK&SECURITY SYSTEMS
2002	BILLS LOCK&SAFE SRV
2002	BILL S LOCK&SAFE SERVICE
1996	COMMERCL LOCK&SCRTY
1996	BILLS LOCK&SAFE SRV
1991	COMMERCL LOCK&SCRTY
1991	BILLS LOCK&SAFE SRV
1986	COMMERCL LOCK&SCRTY
1986	BILLS LOCK&SAFE SRV
1981	BILLS LOCK&SAFE SRV

924 East Imperial Highway

2011	CAMPITELLI COOKIES
2006	CAMPITELLI COOKIES
2002	CAMPITELLI COOKIES
1996	CAMPITELLI COOKIES
1991	CAMPITELLI COOKIES
1986	CAMPITELLI COOKIES
1981	CAMPITELLI WINE&CHS

928 East Imperial Highway

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2011	HAIR PRODUCTION LTD
2006	HAIR PRODUCTION LTD
2002	SETS SORIDA
2002	HAIR PRODUCTION LTD
1996	CORMANY Tina
1996	HAIR PRODUCTION LTD
1996	SETS SORIDA
1991	HAIR PRODUCTION LTD
1991	SETS SORIDA
1986	HAIR PRODUCTION LTD
1986	SETS SORIDA
1981	HAIR PRODUCT LTD

932 East Imperial Highway

2011	CREATIVE CAKE AND BKRY BY ANDY
2006	CREATIVE CAKERY THE BUNDT BKRY
2002	CREATIVE CAKERY
1996	NUTRI SYS WGHT LOSS
1991	NUTRI SYS WGHT LOSS
1986	NUTRI SYSTEM WT
1981	WALKER&LEE BREA

936 East Imperial Highway

2011	SHODHAN HARIN DDS
2006	TOUS GARRY S DDS
2002	TOUS GARRY S DDS
1996	BAILEY MICHAEL DDS
1996	TOUS GARRY S DDS
1991	BAILEY MICHL C DDS
1991	TOUS GARRY S DDS
1986	BAILEY MICHL C DDS
1986	TOUS GARRY S DDS
1981	TOUS GARRY S DDS

940 East Imperial Highway

2011	XXXX
2002	XXXX
1996	XXXX
1991	R X PLUS PHARMACY
1991	BARRYS R X PLS PHAR
1986	R X PLUS PHARMACY
1981	PRESCRIPTION PLUS
1981	R X PLUS

944 East Imperial Highway

2002	XXXX
1996	XXXX
1991	XXXX
1986	XXXX
1981	MICROWAVE OVENS
1981	FRIEDMANS MICROWV

956 East Imperial Highway

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2011	LAMPS PLUS
2006	LAMPS PLUS
2002	LAMPS PLUS
1996	LAMPS PLUS
1991	LAMPS PLUS
1986	EVER READY LIGHTNG

1000 East Imperial Highway

2011	BREA DAY SPA
2006	MERCEDES SALON
2006	FINEST NAIL SPA
2006	JENNIFER CONVRTBLS
2002	JENNIFER CONVRTBLS
2002	MERCEDES SALON
1996	MERCEDES SKIN CARE
1996	JENNIFER CONVRTBLS
1996	CRUISE CREATIONS
1991	CRUISE HOLIDAYS
1991	MERCEDES SKIN CARE
1991	SOUTHWEST SAVINGS
1986	UNIGLOBE MERIDIAN
1986	SOUTHWST SVNGS&LN
1981	XXXX
1976	BREA NURSERY
1971	BARRIOS&SONS LNDSCP
1971	BREA NURSERY

1001 East Imperial Highway

2011	TOBIN ACUPUNCTURE & HEALTH INC
2011	NORTH ORNGE CO CHIRO&WLLNSS
2006	NORTH ORNGE CO CHIRO&WLLNSS
2006	NORTH ORANGE CO REHAB CENTER
2002	DR APRIL LOPEZ DC
2002	FAST TWITCH
2002	CHRISTENSEN CREIG DC
2002	RAM CHRISTOPHER DC
2002	RABINOVICH JACOB
2002	NORTH ORANGE CO CHIRO REHAB
2002	PRATLEY BRENT M
1996	MICHAELS MDCL GRP
1996	HERBETS STEVEN MD
1996	M M 2
1991	ORTHO MATRESS INC
1986	ORTHO MATRESS INC
1981	FAYVA SHOE STORE
1981	INTERPRINT SHOP

1009 East Imperial Highway

2011	GEIGER L JEWELERS
2006	GEIGER JEWELERS
2002	GEIGER JEWELERS

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1996	NORMAN MERLE COSMTC
1996	MERLE NORMAN CSMTCS
1996	GEIGER JEWELERS
1991	MERLE NORMAN CSMTCS
1991	NORMAN MERLE COSMTC
1991	GEIGER JEWELERS
1986	MERLE NORMAN CSMTCS
1986	NORMAN MERLE CSMTCS
1986	GEIGER JEWELERS
1981	MERLE NORMAN CSMTCS

1010 East Imperial Highway

2011	DMA INSURANCE
2011	ART'S TLRNG & FSHNS FOR MEN
2011	MAGIC WOK CHINESE RESTAURANT
2006	ART'S TLRNG & FSHNS FOR MEN
2006	ART'S TAILORING
2006	MAGIC WOK CHINESE RESTAURANT
2002	ARTS TAILORING&FSHNS FOR MEN
2002	MAGIC WOK CHINESE RESTAURANT
1996	ARTS TLRG&FSHNS MEN
1996	ARTS TLRNG&FSHN MEN
1996	MAGIC WOK RSTRNT
1991	ARTS TLRNG&FSHN MEN
1991	ARTS TLRG&FSHNS MEN
1991	MAGIC WOK RSTRNT
1986	MAGIC WOK RSTRNT
1986	ARTS TAILORING

1015 East Imperial Highway

2011	BAMBOO TEXTILE
2011	CHAN Richard
2011	INTL COFFEE HOUSE THE
2011	JAPANESE RESTAURANT ICHIBAN
2011	KNOOK & KRANNY
2011	L & L ASSOCIATES
2011	MACGREGOR INSURANCE AGENCY
2011	COMFORT DAY SPA
2011	RICHARD CHAN ASSOCIATES
2006	ICHIBAN
2006	KNOOK & KRANNY
2006	L & L ASSOCIATES
2006	COMFORT DAY SPA
2006	MACGREGOR INSURANCE AGENCY
2006	BAMBOO TEXTILE
2006	DESIGN BUILDERS
2006	RICHARD CHAN ASSOCIATES
2002	CHAN RICHARD ARCHITECT AIA
2002	MACGREGOR INS AGNCY
2002	COMFORT DAY SPA

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2002	ICHIBAN
2002	L&L ASSOCIATES
2002	KNOOK&KRANNY
1996	MACGREGOR INS AGNCY
1996	L&L ASSOCIATES
1996	ICHIBAN
1996	BREA ACUPRESSURE
1996	AVON PRODUCTS
1996	NORWEST FINANCIAL
1991	NORWEST FINANCIAL
1991	MACGREGOR INS AGNCY
1991	AVON PRODUCTS
1991	L&L ASSOCIATES
1991	ICHIBAN
1986	SANTA ANITA REALTY
1986	IZZYS CAFÉ
1986	PAC TRAVEL SCHOOL
1986	GRANT CO
1981	IZZYS CAFÉ
1981	LOMAX JERRY A
1981	GRANT CO
1981	LOMAX&SACKETT
1981	GOLDEN PEACOCK
1981	CARPENTER GLENN INC
1981	ARMCO INC
1981	SANTA ANITA REALTY

1021 East Imperial Highway

2011	BREA VILLAGE TRAVEL
2011	THE REALM COMICS & GAMES
2011	DOMENIC'S SALON
2006	BREA VILLAGE TRAVEL
2006	DOMENIC'S SALON
2006	FISHERMAN'S ACCESS
2006	DOMINIC'S SALON
2002	FISHERMAN S ACCESS
2002	BREA VILLAGE TRAVEL
2002	CRUISE TRAVEL AIDER
2002	DOMENICS SALON
2002	DOMINICS SALON
1996	DOMINICS SALON
1996	BREA VLG TRAVEL
1996	CRUISE TRAVEL AIDER
1996	DOMENICS SALON
1996	BODY WORKS
1991	BREA VLG TRAVEL
1991	TRAVEL AIDERS INC
1991	PASSPORT PHOTO SV
1991	FITNESS WORKS

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1991	CRUISE TRAVEL AIDER
1986	TRAVEL NETWORK
1986	ROSE ROBINSON CRTV
1986	BREA VLG TRAVEL AID
1986	BREA VILLAGE FLWRS
1986	CRUISE TRAVEL ADRS
1986	TRAVEL AIDERS INC
1981	OFFICE BUILDING

1027 East Imperial Highway

2011	VEGGIE LAND
2011	CALIFORNIA CLEANERS
2011	BREA BEAD WORKS
2006	CONSIGNMENTS FROM THE HEART
2006	JONES RDNG & MATH CLINICS INC
2006	CALIFORNIA CLEANERS
2006	BREA TAILORING
2002	CONSIGNMENTS FROM THE HEART
2002	SYLVAN LEARNING CTR
2002	BREA TAILORING
2002	CALIFORNIA CLEANERS
2002	PROMETRIC TESTING CENTER
1996	BREA TAILORING
1996	SYLVAN LEARNING CTR
1996	ABOUT FACE SKIN CRE
1996	CA CLEANERS
1991	ABOUT FACE SKIN CRE
1991	BREA TAILORING
1991	T I P S INTER PRINT
1991	TIPS INTER PRINT
1991	QUILTING CORNER
1986	TIFFANY DS WEDDING
1986	T I P S INTER PRINT
1986	INTERPRINT SHOP
1986	ABOUT FACE SKIN CRE
1986	INTER PRINT SHOP
1986	COMPETITIVE EDGE
1986	BREA TAILORING
1981	IRENES CNTRY CLLCTN
1981	KITCHEN TOOL CO THE
1981	GREAT WSTRN SVGS&LN
1981	VANDERVEEN EHBOKPNG
1981	COMMAND PERFORMANC
1981	CRAFTS&CREATIONS

1033 East Imperial Highway

2011	LEE PRSCILLA G DDS
2011	JOANNA'S NAILS
2011	SALON SWIP
2011	OFFICE BUILDING

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2006	CHAN DENNIS K DMD
2006	BREA BEAD WORKS
2006	DRESS TO IMPRESS
2006	EQUITY WEST FINANCIAL INC
2006	ELEGANCE IN TIME
2006	LAURO JOSEPH INS SV
2006	JOANNA'S NAILS
2006	LEE PRISCILLA DDS
2002	ELEGANCE IN TIME
2002	CHAN DENNIS K DMD
2002	DRESS TO IMPRESS
2002	HAPPY NAILS 1
2002	LAURO JOSEPH C INS SVS INC
2002	LAURO JOSEPH INS SV
2002	LEE PRISCILLA G DDS
1996	ELEGANCE IN TIME
1996	CHAN DENNIS K DMD
1996	DIAL GROUP PRO STFF
1996	BREA VLG DENTAL GRP
1996	DRESS TO IMPRESS
1996	DIAL EMPLOYMENT AG
1996	FLHAIR FINE HRCTTNG
1996	LAURO JOSEPH IN S SV
1996	PERSONNEL PLACE THE
1996	LEE PRISCILLA G DDS
1991	FLHAIR FINE HRCTTNG
1991	MYSTIC MERCHANT
1991	SYLVAN LEARNING CTR
1991	MOEINY JACK Z OD
1991	LEE PRISCILLA G DDS
1991	LAURO JOSEPH INS SV
1991	FOR YOUR EYES ONLY
1991	DIAL PERSONNEL ASC
1991	DIAL EMPLOYMENT AG
1991	BREA VLG DENTAL GRP
1991	ELEGANCE IN TIME
1991	CHAN DENNIS K DMD
1986	BASICS FINANCIAL
1986	PAK MAIL
1986	LAURO JOSEPH INS SV
1986	ELEGANCE IN TIME
1986	SECOND SOLE
1986	ALL AMERICAN VIDEO
1986	LEE PRISCILLA G DDS
1986	BASICS REALTY
1986	BREA VLG DENTAL
1986	CHAN DENNIS K DMD
1986	DIAL PERSONNEL ASC

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1986	DIAL EMPLOYMENT AG
1986	FLAIR FINE HRCTTNG
1981	OFFICE BUILDING

1039 East Imperial Highway

2011	2 WHEELER DEALER
2011	ROCKIT MUSIC
2006	TWO WHEELER DEALER
2006	ROCKIT MUSIC
2002	ROCKIT MUSIC
2002	TWO WHEELER DEALER
1996	TWO WHEELER DEALER
1996	MACBETHS STND GLASS
1996	MACBETHS CSTM FRAMG
1991	MACBETHS CSTM FRAMG
1991	MACBETHS STND GLASS
1991	MCBETHS STAINED GLS
1991	TWO WHEELER DEALER
1986	FANTASTIC SAMS
1986	MAC BETHS CSTM FRMG
1986	MCBETHS STAINED GLS
1986	TWO WHEELER DEALER
1986	MACBETHS STND GLASS
1981	OAK GALLERY
1981	NAME BRANDS OUTLET

1040 East Imperial Highway

2011	LENSCRAFTERS
2011	EYEXAM OF CALIFORNIA BREA
2011	EYEXAM 2000 OF CA EST IMPRL
2011	A SNAILS PACE RUNNING SHP BERA
2011	DOCTORS OF OPTMTRY EST IMPRL
2006	A SNAILS PACE RUNNING SHOP
2006	SNAILS PACE RUNNING SHOP
2006	KINECTA FEDERAL CREDIT UNION
2002	KINECTA FEDERAL CREDIT UNION
2002	A SNAILS PACE RUNNING SHOP
2002	DOCTORS OF OPTOMETRY
2002	EYEXAM 2000 OF CALIFORNIA INC
2002	SNAILS PACE RUNNING SHOP
2002	LENSCRAFTERS
1996	LENS CRAFTERS
1996	EYEXAM2000 OF CA
1996	COAST FOOTWEAR
1996	SEASONS FLORAL CO
1991	LENS CRAFTERS
1991	COAST FOOTWEAR
1991	EYEXAM 2000 OF CA
1986	COAST FOOTWEAR
1986	HOME FRONT THE

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1981	WILD WEST STORES

1045 East Imperial Highway

2011	ELEGANT NAILS & SPA
2011	EASTWOOD INS SERV BREA
2006	ELEGANT NAILS & SPA
2006	EASTWOOD INSURANCE
2002	EASTWOOD INSURANCE SERVICE
2002	RIDDLE Stuart
1996	BOOT BARN
1991	ENTRE COMPUTER CNTR
1986	ENTRE COMPUTER CNTR
1981	PHONE CENTER STORES

1050 East Imperial Highway

2011	BUTTONS & BOWS
2006	HOUSEHOLD FINANCE
2006	CINGULAR WIRELESS
2002	PACIFIC BELL WIRELESS RETAIL
1996	AUDIO HAVEN
1991	FREE STYLE PRO HRCT
1991	FREESTYLE HAIR DSGN
1991	GUARDIAN DIABETICS
1986	LUGGAGE OUTLET THE
1986	FREESTYLE PRO HRCTG
1986	FREE STYLE PRO HRCT
1986	NORDIC PRODUCTS
1986	ACCENT FRAMING ART

1060 East Imperial Highway

2011	LASCARI'S ITALIAN GRILL
2006	LASCARI'S AND SONS INC
2002	PAPA MIO S ITALIAN GRILL
1996	NUMERO UNO PIZZERIA
1991	NUMERO UNO PIZZERIA
1986	GIORGIO ITALN REST

1080 East Imperial Highway

2011	WILD WEST CLEANERS
2011	THE COFFEE BEAN & TEA LEAF
2011	JAMBA JUICE
2006	JAMBA JUICE
2006	WILD WEST CLEANERS
2006	COFFEE BEAN&TEA LEAF THE
2002	WILD WEST CLEANERS
2002	COFFEE BEAN&TEA LEAF THE
1996	WILD WEST CLEANERS
1996	EGGHEAD SOFTWARE
1991	EGGHEAD DISC SFTWRE
1991	WILD WEST CLEANERS
1986	WILD WEST CLEANERS
1986	COMPUTIQUE

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1981	COMPUTIQUE

1117 East Imperial Highway

2002	XXXX

1120 East Imperial Highway

2002	XXXX
1996	XXXX
1991	XXXX
1986	XXXX
1981	CARLS JR REST BREA

1130 East Imperial Highway

2011	CARL'S JR BREA
2006	CARL'S JR RESTAURANTS
2002	CARLS JR RESTAURANT
1996	CARLS JR RESTAURANT
1991	CARLS JR RESTAURANT
1986	CARLS JR RESTAURANT

1150 East Imperial Highway

2002	XXXX
1996	XXXX
1991	XXXX
1986	XXXX
1981	BANK OF DOWNEY

1160 East Imperial Highway

2011	ACTIVE RIDE SHOP
2006	ACTIVE RIDE SHOP
2002	TOWER RECORDS VIDEO BKS RCRDS
1996	TOWER RECORDS VIDEO
1991	TOWER RECORDS VIDEO
1991	TOWER RECORDS
1986	TOWER RECORDS
1981	GOLDEN WEST RLTRS
1981	TOWER RECORDS

1200 East Imperial Highway

2011	BREA UNOCAL& TOWING
2006	BREA UNOCAL&TOWING
2002	BREA UNOCAL&TOWING
1996	BREA UNOCAL
1991	BREA UNION SERV
1986	BREA UNION SERV
1981	UNION OIL BREA
1981	INGRAM UNION
1976	UNION OIL DEALER
1976	JOHNSON INGRAM UN

1210 East Imperial Highway

2011	HAT THE
2006	HAT THE
2002	CONZONIRE Joseph
2002	HAT THE

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1250 East Imperial Highway

2011	COCO'S BAKERY & RESTAURANT
2006	COCO'S FAMILY RESTAURANT
2002	COCOS FAMILY RSTRNT
1996	COCOS FMLY RESTRNT
1991	COCOS FMLY RESTRNT
1986	COCOS FMLY RESTRNT
1981	COCOS HAMBURGERS

1273 East Imperial Highway

2002	XXXX
1996	S&S TRAVEL INC
1991	S&S TRAVEL INC
1986	S&S TRAVEL INC
1981	S&S TRAVEL INC

Abstract Section 2: This section includes the city directory data sorted by the year the city directory was published.

2011

891 East Imperial Highway	FIRESTONE CMPLT ATO CR ANHM
900 East Imperial Highway	ALPHAGRAPHIC
903 East Imperial Highway	MATTRESS ETC
904 East Imperial Highway	STATE FARM INS NEW LOCATION
908 East Imperial Highway	E BUY GOLD INC
912 East Imperial Highway	FITLA CO
916 East Imperial Highway	ANDERSEN G Douglas
920 East Imperial Highway	PAPER WONDERS
924 East Imperial Highway	CAMPITELLI COOKIES
928 East Imperial Highway	HAIR PRODUCTION LTD
932 East Imperial Highway	CREATIVE CAKE AND BKRY BY ANDY
936 East Imperial Highway	SHODHAN HARIN DDS
940 East Imperial Highway	XXXX
956 East Imperial Highway	LAMPS PLUS
1000 East Imperial Highway	BREA DAY SPA
1001 East Imperial Highway	NORTH ORNGE CO CHIRO&WLLNSS
1001 East Imperial Highway	TOBIN ACUPUNCTURE & HEALTH INC
1009 East Imperial Highway	GEIGER L JEWELERS
1010 East Imperial Highway	ART'S TLRNG & FSHNS FOR MEN
1010 East Imperial Highway	DMA INSURANCE
1010 East Imperial Highway	MAGIC WOK CHINESE RESTAURANT
1015 East Imperial Highway	CHAN Richard
1015 East Imperial Highway	RICHARD CHAN ASSOCIATES
1015 East Imperial Highway	MACGREGOR INSURANCE AGENCY
1015 East Imperial Highway	L & L ASSOCIATES
1015 East Imperial Highway	KNOOK & KRANNY
1015 East Imperial Highway	JAPANESE RESTAURANT ICHIBAN
1015 East Imperial Highway	COMFORT DAY SPA
1015 East Imperial Highway	BAMBOO TEXTILE
1015 East Imperial Highway	INTL COFFEE HOUSE THE

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1021 East Imperial Highway	BREA VILLAGE TRAVEL
1021 East Imperial Highway	THE REALM COMICS & GAMES
1021 East Imperial Highway	DOMENIC'S SALON
1027 East Imperial Highway	BREA BEAD WORKS
1027 East Imperial Highway	CALIFORNIA CLEANERS
1027 East Imperial Highway	VEGGIE LAND
1033 East Imperial Highway	LEE PRSCILLA G DDS
1033 East Imperial Highway	SALON SWIP
1033 East Imperial Highway	JOANNA'S NAILS
1033 East Imperial Highway	OFFICE BUILDING
1039 East Imperial Highway	ROCKIT MUSIC
1039 East Imperial Highway	2 WHEELER DEALER
1040 East Imperial Highway	LENSCRAFTERS
1040 East Imperial Highway	A SNAILS PACE RUNNING SHP BERA
1040 East Imperial Highway	DOCTORS OF OPTMTRY EST IMPRL
1040 East Imperial Highway	EYEXAM 2000 OF CA EST IMPRL
1040 East Imperial Highway	EYEXAM OF CALIFORNIA BREA
1045 East Imperial Highway	ELEGANT NAILS & SPA
1045 East Imperial Highway	EASTWOOD INS SERV BREA
1050 East Imperial Highway	BUTTONS & BOWS
1060 East Imperial Highway	LASCARI'S ITALIAN GRILL
1080 East Imperial Highway	JAMBA JUICE
1080 East Imperial Highway	THE COFFEE BEAN & TEA LEAF
1080 East Imperial Highway	WILD WEST CLEANERS
1130 East Imperial Highway	CARL'S JR BREA
1160 East Imperial Highway	ACTIVE RIDE SHOP
1200 East Imperial Highway	BREA UNOCAL& TOWING
1210 East Imperial Highway	HAT THE
1250 East Imperial Highway	COCO'S BAKERY & RESTAURANT

2006

891 East Imperial Highway	FIRESTONE TIRE & SERV CNTR
900 East Imperial Highway	ALPHAGRAPHICS
903 East Imperial Highway	MIDAS AUTO SERVICE EXPERTS
904 East Imperial Highway	GOEDL RICH INS
904 East Imperial Highway	STATE FARM INS COMPANIES
908 East Imperial Highway	H & R BLOCK
912 East Imperial Highway	NEW HORIZONS NUTRTN
916 East Imperial Highway	ANDERSEN G DOUGLAS DC
920 East Imperial Highway	BILLS LOCK & SAFE SERVICE
920 East Imperial Highway	COMMERCL LOCK & SECURITY
924 East Imperial Highway	CAMPITELLI COOKIES
928 East Imperial Highway	HAIR PRODUCTION LTD
932 East Imperial Highway	CREATIVE CAKERY THE BUNDT BKRY
936 East Imperial Highway	TOUS GARRY S DDS
956 East Imperial Highway	LAMPS PLUS
1000 East Imperial Highway	FINEST NAIL SPA
1000 East Imperial Highway	JENNIFER CONVRTBLS
1000 East Imperial Highway	MERCEDES SALON

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1001 East Imperial Highway	NORTH ORANGE CO REHAB CENTER
1001 East Imperial Highway	NORTH ORNGE CO CHIRO&WLLNSS
1009 East Imperial Highway	GEIGER JEWELERS
1010 East Imperial Highway	ART'S TAILORING
1010 East Imperial Highway	ART'S TLRNG & FSHNS FOR MEN
1010 East Imperial Highway	MAGIC WOK CHINESE RESTAURANT
1015 East Imperial Highway	BAMBOO TEXTILE
1015 East Imperial Highway	COMFORT DAY SPA
1015 East Imperial Highway	DESIGN BUILDERS
1015 East Imperial Highway	ICHIBAN
1015 East Imperial Highway	KNOOK & KRANNY
1015 East Imperial Highway	L & L ASSOCIATES
1015 East Imperial Highway	MACGREGOR INSURANCE AGENCY
1015 East Imperial Highway	RICHARD CHAN ASSOCIATES
1021 East Imperial Highway	DOMINIC'S SALON
1021 East Imperial Highway	FISHERMAN'S ACCESS
1021 East Imperial Highway	BREA VILLAGE TRAVEL
1021 East Imperial Highway	DOMENIC'S SALON
1027 East Imperial Highway	CALIFORNIA CLEANERS
1027 East Imperial Highway	CONSIGNMENTS FROM THE HEART
1027 East Imperial Highway	JONES RDNG & MATH CLINICS INC
1027 East Imperial Highway	BREA TAILORING
1033 East Imperial Highway	CHAN DENNIS K DMD
1033 East Imperial Highway	LEE PRISCILLA DDS
1033 East Imperial Highway	LAURO JOSEPH INS SV
1033 East Imperial Highway	JOANNA'S NAILS
1033 East Imperial Highway	EQUITY WEST FINANCIAL INC
1033 East Imperial Highway	DRESS TO IMPRESS
1033 East Imperial Highway	BREA BEAD WORKS
1033 East Imperial Highway	ELEGANCE IN TIME
1039 East Imperial Highway	TWO WHEELER DEALER
1039 East Imperial Highway	ROCKIT MUSIC
1040 East Imperial Highway	SNAILS PACE RUNNING SHOP
1040 East Imperial Highway	KINECTA FEDERAL CREDIT UNION
1040 East Imperial Highway	A SNAILS PACE RUNNING SHOP
1045 East Imperial Highway	EASTWOOD INSURANCE
1045 East Imperial Highway	ELEGANT NAILS & SPA
1050 East Imperial Highway	CINGULAR WIRELESS
1050 East Imperial Highway	HOUSEHOLD FINANCE
1060 East Imperial Highway	LASCARI'S AND SONS INC
1080 East Imperial Highway	COFFEE BEAN&TEA LEAF THE
1080 East Imperial Highway	JAMBA JUICE
1080 East Imperial Highway	WILD WEST CLEANERS
1130 East Imperial Highway	CARL'S JR RESTAURANTS
1160 East Imperial Highway	ACTIVE RIDE SHOP
1200 East Imperial Highway	BREA UNOCAL&TOWING
1210 East Imperial Highway	HAT THE
1250 East Imperial Highway	COCO'S FAMILY RESTAURANT

DRAFT

	X PINE AV
891 East Imperial Highway	FIRESTONE TIRE&SERVICE CNTR
900 East Imperial Highway	ALPHA GRAPHICS
900 East Imperial Highway	ALPHAGRAPHICS
903 East Imperial Highway	MIDAS AUTO SERVICE EXPERTS
904 East Imperial Highway	XXXX
908 East Imperial Highway	BLOCK H&R
908 East Imperial Highway	H&R BLOCK
910 East Imperial Highway	XXXX
912 East Imperial Highway	NEW HORIZONS NUTRTN
916 East Imperial Highway	ANDERSEN G
916 East Imperial Highway	DOUGLAS DC
920 East Imperial Highway	COMMERCIAL LOCK&SECURITY SHOP
920 East Imperial Highway	COMMERCL LOCK&SECURITY SYSTEMS
920 East Imperial Highway	BILL S LOCK&SAFE SERVICE
920 East Imperial Highway	BILLS LOCK&SAFE SRV
920 East Imperial Highway	COMLOCK SECURITY GROUP
924 East Imperial Highway	CAMPITELLI COOKIES
928 East Imperial Highway	HAIR PRODUCTION LTD
928 East Imperial Highway	SETS SORIDA
932 East Imperial Highway	CREATIVE CAKERY
936 East Imperial Highway	TOUS GARRY S DDS
940 East Imperial Highway	XXXX
944 East Imperial Highway	XXXX
956 East Imperial Highway	LAMPS PLUS
	X RANDOLPH AV S
1000 East Imperial Highway	JENNIFER CONVRTBLS
1000 East Imperial Highway	MERCEDES SALON
1001 East Imperial Highway	PRATLEY BRENT M
1001 East Imperial Highway	RABINOVICH JACOB
1001 East Imperial Highway	RAM CHRISTOPHER DC
1001 East Imperial Highway	FAST TWITCH
1001 East Imperial Highway	CHRISTENSEN CREIG DC
1001 East Imperial Highway	DR APRIL LOPEZ DC
1001 East Imperial Highway	NORTH ORANGE CO CHIRO REHAB
1009 East Imperial Highway	GEIGER JEWELERS
1010 East Imperial Highway	ARTS TAILORING&FSHNS FOR MEN
1010 East Imperial Highway	MAGIC WOK CHINESE RESTAURANT
1015 East Imperial Highway	ICHIBAN
1015 East Imperial Highway	MACGREGOR INS AGNCY
1015 East Imperial Highway	KNOOK&KRANNY
1015 East Imperial Highway	COMFORT DAY SPA
1015 East Imperial Highway	CHAN RICHARD ARCHITECT AIA
1015 East Imperial Highway	L&L ASSOCIATES
1021 East Imperial Highway	FISHERMAN S ACCESS
1021 East Imperial Highway	BREA VILLAGE TRAVEL
1021 East Imperial Highway	CRUISE TRAVEL AIDER

DRAFT

1021 East Imperial Highway	DOMENICS SALON
1021 East Imperial Highway	DOMINICS SALON
1027 East Imperial Highway	SYLVAN LEARNING CTR
1027 East Imperial Highway	PROMETRIC TESTING CENTER
1027 East Imperial Highway	BREA TAILORING
1027 East Imperial Highway	CALIFORNIA CLEANERS
1027 East Imperial Highway	CONSIGNMENTS FROM THE HEART
1033 East Imperial Highway	LAURO JOSEPH C INS SVS INC
1033 East Imperial Highway	LAURO JOSEPH INS SV
1033 East Imperial Highway	HAPPY NAILS 1
1033 East Imperial Highway	ELEGANCE IN TIME
1033 East Imperial Highway	DRESS TO IMPRESS
1033 East Imperial Highway	CHAN DENNIS K DMD
1033 East Imperial Highway	LEE PRISCILLA G DDS
	X STATE COLLEG BLVD S
1039 East Imperial Highway	ROCKIT MUSIC
1039 East Imperial Highway	TWO WHEELER DEALER
1040 East Imperial Highway	KINECTA FEDERAL CREDIT UNION
1040 East Imperial Highway	LENSCRAFTERS
1040 East Imperial Highway	SNAILS PACE RUNNING SHOP
1040 East Imperial Highway	A SNAILS PACE RUNNING SHOP
1040 East Imperial Highway	EYEXAM 2000 OF CALIFORNIA INC
1040 East Imperial Highway	DOCTORS OF OPTOMETRY
1045 East Imperial Highway	EASTWOOD INSURANCE SERVICE
1045 East Imperial Highway	RIDDLE Stuart
1050 East Imperial Highway	PACIFIC BELL WIRELESS RETAIL
1060 East Imperial Highway	PAPA MIO S ITALIAN GRILL
1080 East Imperial Highway	COFFEE BEAN&TEA LEAF THE
1080 East Imperial Highway	WILD WEST CLEANERS
1117 East Imperial Highway	XXXX
1120 East Imperial Highway	XXXX
1130 East Imperial Highway	CARLS JR RESTAURANT
1150 East Imperial Highway	XXXX
1160 East Imperial Highway	TOWER RECORDS VIDEO BKS RCRDS
1200 East Imperial Highway	BREA UNOCAL&TOWING
1210 East Imperial Highway	HAT THE
1210 East Imperial Highway	CONZONIRE Joseph
1250 East Imperial Highway	COCOS FAMILY RSTRNT
1273 East Imperial Highway	XXXX
1996	
891 East Imperial Highway	FIRESTONE TIRE CNTR
900 East Imperial Highway	BREA BICYCLE WORKS
903 East Imperial Highway	MIDAS MUFFLER&BRAKE
904 East Imperial Highway	SIR SPEEDY PRINTING
908 East Imperial Highway	BLOCK H&R
910 East Imperial Highway	XXXX
912 East Imperial Highway	NEW HORIZONS NUTRTN
916 East Imperial Highway	ANDERSEN G D DC

DRAFT

920 East Imperial Highway	BILLS LOCK&SAFE SRV
920 East Imperial Highway	COMMERCL LOCK&SCRTY
924 East Imperial Highway	CAMPITELLI COOKIES
928 East Imperial Highway	SETS SORIDA
928 East Imperial Highway	CORMANY Tina
928 East Imperial Highway	HAIR PRODUCTION LTD
932 East Imperial Highway	NUTRI SYS WGHT LOSS
936 East Imperial Highway	BAILEY MICHAEL DDS
936 East Imperial Highway	TOUS GARRY S DDS
940 East Imperial Highway	XXXX
944 East Imperial Highway	XXXX
956 East Imperial Highway	LAMPS PLUS
1000 East Imperial Highway	CRUISE CREATIONS
1000 East Imperial Highway	JENNIFER CONVRTBLS
1000 East Imperial Highway	MERCEDES SKIN CARE
1001 East Imperial Highway	MICHAELS MDCL GRP
1001 East Imperial Highway	HERBETS STEVEN MD
1001 East Imperial Highway	M M 2
1009 East Imperial Highway	NORMAN MERLE COSMTC
1009 East Imperial Highway	GEIGER JEWELERS
1009 East Imperial Highway	MERLE NORMAN CSMTCS
1010 East Imperial Highway	ARTS TLRG&FSHNS MEN
1010 East Imperial Highway	ARTS TLRNG&FSHN MEN
1010 East Imperial Highway	MAGIC WOK RSTRNT
1015 East Imperial Highway	AVON PRODUCTS
1015 East Imperial Highway	BREA ACUPRESSURE
1015 East Imperial Highway	ICHIBAN
1015 East Imperial Highway	L&L ASSOCIATES
1015 East Imperial Highway	MACGREGOR INS AGNCY
1015 East Imperial Highway	NORWEST FINANCIAL
1021 East Imperial Highway	CRUISE TRAVEL AIDER
1021 East Imperial Highway	BODY WORKS
1021 East Imperial Highway	DOMENICS SALON
1021 East Imperial Highway	DOMINICS SALON
1021 East Imperial Highway	BREA VLG TRAVEL
1027 East Imperial Highway	ABOUT FACE SKIN CRE
1027 East Imperial Highway	BREA TAILORING
1027 East Imperial Highway	CA CLEANERS
1027 East Imperial Highway	SYLVAN LEARNING CTR
1033 East Imperial Highway	CHAN DENNIS K DMD
1033 East Imperial Highway	LEE PRISCILLA G DDS
1033 East Imperial Highway	LAURO JOSEPH IN S SV
1033 East Imperial Highway	FLHAIR FINE HRCTTNG
1033 East Imperial Highway	ELEGANCE IN TIME
1033 East Imperial Highway	DRESS TO IMPRESS
1033 East Imperial Highway	DIAL EMPLOYMENT AG
1033 East Imperial Highway	PERSONNEL PLACE THE
1033 East Imperial Highway	BREA VLG DENTAL GRP

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1033 East Imperial Highway	DIAL GROUP PRO STFF
1039 East Imperial Highway	TWO WHEELER DEALER
1039 East Imperial Highway	MACBETHS CSTM FRAMG
1039 East Imperial Highway	MACBETHS STND GLASS
1040 East Imperial Highway	COAST FOOTWEAR
1040 East Imperial Highway	EYEXAM2000 OF CA
1040 East Imperial Highway	LENS CRAFTERS
1040 East Imperial Highway	SEASONS FLORAL CO
1045 East Imperial Highway	BOOT BARN
1050 East Imperial Highway	AUDIO HAVEN
1060 East Imperial Highway	NUMERO UNO PIZZERIA
1080 East Imperial Highway	EGGHEAD SOFTWARE
1080 East Imperial Highway	WILD WEST CLEANERS
1120 East Imperial Highway	XXXX
1130 East Imperial Highway	CARLS JR RESTAURANT
1150 East Imperial Highway	XXXX
1160 East Imperial Highway	TOWER RECORDS VIDEO
1200 East Imperial Highway	BREA UNOCAL
1250 East Imperial Highway	COCOS FMLY RESTRNT
1273 East Imperial Highway	S&S TRAVEL INC
1991	
891 East Imperial Highway	FIRESTONE MASTERCRE
900 East Imperial Highway	BREA SCHWINN CYCLRY
903 East Imperial Highway	MIDAS MUFFLER&BRAKE
904 East Imperial Highway	CARPETIME
908 East Imperial Highway	BLOCK H&R
910 East Imperial Highway	XXXX
912 East Imperial Highway	NEW HORIZON NUTRITN
916 East Imperial Highway	ANDERSEN G D DC
916 East Imperial Highway	TENCKHOFF CARL DC
920 East Imperial Highway	BILLS LOCK&SAFE SRV
920 East Imperial Highway	COMMERCL LOCK&SCRTY
924 East Imperial Highway	CAMPITELLI COOKIES
928 East Imperial Highway	HAIR PRODUCTION LTD
928 East Imperial Highway	SETS SORIDA
932 East Imperial Highway	NUTRI SYS WGHT LOSS
936 East Imperial Highway	BAILEY MICHL C DDS
936 East Imperial Highway	TOUS GARRY S DDS
940 East Imperial Highway	BARRYS R X PLS PHAR
940 East Imperial Highway	R X PLUS PHARMACY
944 East Imperial Highway	XXXX
956 East Imperial Highway	LAMPS PLUS
1000 East Imperial Highway	SOUTHWEST SAVINGS
1000 East Imperial Highway	CRUISE HOLIDAYS
1000 East Imperial Highway	MERCEDES SKIN CARE
1001 East Imperial Highway	ORTHO MATRESS INC
1009 East Imperial Highway	NORMAN MERLE COSMTC
1009 East Imperial Highway	GEIGER JEWELERS

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1009 East Imperial Highway	MERLE NORMAN CSMTCS
1010 East Imperial Highway	MAGIC WOK RSTRNT
1010 East Imperial Highway	ARTS TLRNG&FSHN MEN
1010 East Imperial Highway	ARTS TLRG&FSHNS MEN
1015 East Imperial Highway	AVON PRODUCTS
1015 East Imperial Highway	ICHIBAN
1015 East Imperial Highway	L&L ASSOCIATES
1015 East Imperial Highway	MACGREGOR INS AGNCY
1015 East Imperial Highway	NORWEST FINANCIAL
1021 East Imperial Highway	BREA VLG TRAVEL
1021 East Imperial Highway	CRUISE TRAVEL AIDER
1021 East Imperial Highway	FITNESS WORKS
1021 East Imperial Highway	PASSPORT PHOTO SV
1021 East Imperial Highway	TRAVEL AIDERS INC
1027 East Imperial Highway	QUILTING CORNER
1027 East Imperial Highway	T I P S INTER PRINT
1027 East Imperial Highway	BREA TAILORING
1027 East Imperial Highway	ABOUT FACE SKIN CRE
1027 East Imperial Highway	TIPS INTER PRINT
1033 East Imperial Highway	ELEGANCE IN TIME
1033 East Imperial Highway	SYLVAN LEARNING CTR
1033 East Imperial Highway	MYSTIC MERCHANT
1033 East Imperial Highway	MOEINY JACK Z OD
1033 East Imperial Highway	LEE PRISCILLA G DDS
1033 East Imperial Highway	LAURO JOSEPH INS SV
1033 East Imperial Highway	FLHAIR FINE HRCTTNG
1033 East Imperial Highway	DIAL PERSONNEL ASC
1033 East Imperial Highway	DIAL EMPLOYMENT AG
1033 East Imperial Highway	CHAN DENNIS K DMD
1033 East Imperial Highway	BREA VLG DENTAL GRP
1033 East Imperial Highway	FOR YOUR EYES ONLY
1039 East Imperial Highway	MACBETHS STND GLASS
1039 East Imperial Highway	MCBETHS STAINED GLS
1039 East Imperial Highway	TWO WHEELER DEALER
1039 East Imperial Highway	MACBETHS CSTM FRAMG
1040 East Imperial Highway	COAST FOOTWEAR
1040 East Imperial Highway	EYEXAM 2000 OF CA
1040 East Imperial Highway	LENS CRAFTERS
1045 East Imperial Highway	ENTRE COMPUTER CNTR
1050 East Imperial Highway	FREE STYLE PRO HRCT
1050 East Imperial Highway	FREESTYLE HAIR DSGN
1050 East Imperial Highway	GUARDIAN DIABETICS
1060 East Imperial Highway	NUMERO UNO PIZZERIA
1080 East Imperial Highway	EGGHEAD DISC SFTWRE
1080 East Imperial Highway	WILD WEST CLEANERS
1120 East Imperial Highway	XXXX
1130 East Imperial Highway	CARLS JR RESTAURANT
1150 East Imperial Highway	XXXX

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1160 East Imperial Highway	TOWER RECORDS VIDEO
1160 East Imperial Highway	TOWER RECORDS
1200 East Imperial Highway	BREA UNION SERV
1250 East Imperial Highway	COCOS FMLY RESTRNT
1273 East Imperial Highway	S&S TRAVEL INC
1986	
891 East Imperial Highway	FIRESTONE STORES
900 East Imperial Highway	XXXX
903 East Imperial Highway	MIDAS MUFFLER SHOPS
904 East Imperial Highway	CARPETIME
908 East Imperial Highway	EYE CARE USA
910 East Imperial Highway	XXXX
912 East Imperial Highway	NEW HORIZON NUTRITN
916 East Imperial Highway	TENCKHOFF CARL DC
916 East Imperial Highway	TENCKHOFF RANDY DC
920 East Imperial Highway	COMMERCL LOCK&SCRTY
920 East Imperial Highway	BILLS LOCK&SAFE SRV
924 East Imperial Highway	CAMPITELLI COOKIES
928 East Imperial Highway	HAIR PRODUCTION LTD
928 East Imperial Highway	SETS SORIDA
932 East Imperial Highway	NUTRI SYSTEM WT
936 East Imperial Highway	BAILEY MICHL C DDS
936 East Imperial Highway	TOUS GARRY S DDS
940 East Imperial Highway	R X PLUS PHARMACY
944 East Imperial Highway	XXXX
956 East Imperial Highway	EVER READY LIGHTNG
1000 East Imperial Highway	SOUTHWST SVNGS&LN
1000 East Imperial Highway	UNIGLOBE MERIDIAN
1001 East Imperial Highway	ORTHO MATRESS INC
1009 East Imperial Highway	NORMAN MERLE CSMTCS
1009 East Imperial Highway	GEIGER JEWELERS
1009 East Imperial Highway	MERLE NORMAN CSMTCS
1010 East Imperial Highway	ARTS TAILORING
1010 East Imperial Highway	MAGIC WOK RSTRNT
1015 East Imperial Highway	GRANT CO
1015 East Imperial Highway	IZZYS CAFÉ
1015 East Imperial Highway	PAC TRAVEL SCHOOL
1015 East Imperial Highway	SANTA ANITA REALTY
1021 East Imperial Highway	BREA VILLAGE FLWRS
1021 East Imperial Highway	BREA VLG TRAVEL AID
1021 East Imperial Highway	CRUISE TRAVEL ADRS
1021 East Imperial Highway	ROSE ROBINSON CRTV
1021 East Imperial Highway	TRAVEL AIDERS INC
1021 East Imperial Highway	TRAVEL NETWORK
1027 East Imperial Highway	INTERPRINT SHOP
1027 East Imperial Highway	TIFFANY DS WEDDING
1027 East Imperial Highway	INTER PRINT SHOP
1027 East Imperial Highway	COMPETITIVE EDGE

DRAFT

1027 East Imperial Highway	BREA TAILORING
1027 East Imperial Highway	ABOUT FACE SKIN CRE
1027 East Imperial Highway	T I P S INTER PRINT
1033 East Imperial Highway	PAK MAIL
1033 East Imperial Highway	SECOND SOLE
1033 East Imperial Highway	LEE PRISCILLA G DDS
1033 East Imperial Highway	LAURO JOSEPH INS SV
1033 East Imperial Highway	FLAIR FINE HRCTTNG
1033 East Imperial Highway	ELEGANCE IN TIME
1033 East Imperial Highway	DIAL EMPLOYMENT AG
1033 East Imperial Highway	CHAN DENNIS K DMD
1033 East Imperial Highway	BREA VLG DENTAL
1033 East Imperial Highway	BASICS REALTY
1033 East Imperial Highway	BASICS FINANCIAL
1033 East Imperial Highway	ALL AMERICAN VIDEO
1033 East Imperial Highway	DIAL PERSONNEL ASC
1039 East Imperial Highway	MCBETHS STAINED GLS
1039 East Imperial Highway	FANTASTIC SAMS
1039 East Imperial Highway	TWO WHEELER DEALER
1039 East Imperial Highway	MACBETHS STND GLASS
1039 East Imperial Highway	MAC BETHS CSTM FRMG
1040 East Imperial Highway	HOME FRONT THE
1040 East Imperial Highway	COAST FOOTWEAR
1045 East Imperial Highway	ENTRE COMPUTER CNTR
1050 East Imperial Highway	ACCENT FRAMING ART
1050 East Imperial Highway	FREE STYLE PRO HRCT
1050 East Imperial Highway	FREESTYLE PRO HRCTG
1050 East Imperial Highway	LUGGAGE OUTLET THE
1050 East Imperial Highway	NORDIC PRODUCTS
1060 East Imperial Highway	GIORGIO ITALN REST
1080 East Imperial Highway	WILD WEST CLEANERS
1080 East Imperial Highway	COMPUTIQUE
1120 East Imperial Highway	XXXX
1130 East Imperial Highway	CARLS JR RESTAURANT
1150 East Imperial Highway	XXXX
1160 East Imperial Highway	TOWER RECORDS
1200 East Imperial Highway	BREA UNION SERV
1250 East Imperial Highway	COCOS FMLY RESTRNT
1273 East Imperial Highway	S&S TRAVEL INC
1981	
891 East Imperial Highway	FIRESTONE BREA
900 East Imperial Highway	GENES SPRTNG GOODS
903 East Imperial Highway	MIDAS MUFFLER SHOPS
904 East Imperial Highway	CLOTHES R US
908 East Imperial Highway	JIM EMERY REAL ESTE
910 East Imperial Highway	XXXX
912 East Imperial Highway	ASSOCTS FNCL BREA
916 East Imperial Highway	STORK STOP

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920 East Imperial Highway	BILLS LOCK&SAFE SRV
924 East Imperial Highway	CAMPITELLI WINE&CHS
928 East Imperial Highway	HAIR PRODUCT LTD
932 East Imperial Highway	WALKER&LEE BREA
936 East Imperial Highway	TOUS GARRY S DDS
940 East Imperial Highway	PRESCRIPTION PLUS
940 East Imperial Highway	R X PLUS
944 East Imperial Highway	MICROWAVE OVENS
944 East Imperial Highway	FRIEDMANS MICROWV
1000 East Imperial Highway	XXXX
1001 East Imperial Highway	INTERPRINT SHOP
1001 East Imperial Highway	FAYVA SHOE STORE
1009 East Imperial Highway	MERLE NORMAN CSMTCS
1015 East Imperial Highway	GOLDEN PEACOCK
1015 East Imperial Highway	LOMAX&SACKETT
1015 East Imperial Highway	LOMAX JERRY A
1015 East Imperial Highway	SANTA ANITA REALTY
1015 East Imperial Highway	CARPENTER GLENN INC
1015 East Imperial Highway	ARMCO INC
1015 East Imperial Highway	IZZYS CAFÉ
1015 East Imperial Highway	GRANT CO
1021 East Imperial Highway	OFFICE BUILDING
1027 East Imperial Highway	COMMAND PERFORMANC
1027 East Imperial Highway	CRAFTS&CREATIONS
1027 East Imperial Highway	GREAT WSTRN SVGS&LN
1027 East Imperial Highway	IRENES CNTRY CLLCTN
1027 East Imperial Highway	KITCHEN TOOL CO THE
1027 East Imperial Highway	VANDERVEEN EHBOKPNG
1033 East Imperial Highway	OFFICE BUILDING
1039 East Imperial Highway	NAME BRANDS OUTLET
1039 East Imperial Highway	OAK GALLERY
1040 East Imperial Highway	WILD WEST STORES
1045 East Imperial Highway	PHONE CENTER STORES
1080 East Imperial Highway	COMPUTIQUE
1120 East Imperial Highway	CARLS JR REST BREA
1150 East Imperial Highway	BANK OF DOWNEY
1160 East Imperial Highway	GOLDEN WEST RLTRS
1160 East Imperial Highway	TOWER RECORDS
1200 East Imperial Highway	UNION OIL BREA
1200 East Imperial Highway	INGRAM UNION
1250 East Imperial Highway	COCOS HAMBURGERS
1273 East Imperial Highway	S&S TRAVEL INC
1976	
910 East Imperial Highway	XXXX
1000 East Imperial Highway	BREA NURSERY
1200 East Imperial Highway	JOHNSON INGRAM UN
1200 East Imperial Highway	UNION OIL DEALER
1971	

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1000 East Imperial Highway	BREA NURSERY
1000 East Imperial Highway	BARRIOS&SONS LNDSCP

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Research Summary for City Directory Abstract

Site Location:
100 Brea Mall
Brea, CA

HIG Project #:
148383

Date Completed:
10/2/2014

Conducted For:
Terracon Consultants, Inc.
Sacramento, CA

Historical Information Gatherers

HIG has produced a city directory abstract for one or more streets associated with the site location indicated above. The publications used to create the CD Abstract are listed below.

The information below is taken directly from the city directory books. The following are definitions as they are found in the Haines books:

XXXX = is no phone, no people or non-published phone.
600 XXXX = Correct address only. No other information.
X Streetname = intersecting cross street

Publication year, publisher and title.

2011 Haines North Orange County

2006 Haines North Orange County

2002 Haines North Orange County

1996 Haines North Orange County

1991 Haines North Orange County

1986 Haines Orange County

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Abstract Section 1- This section includes the city directory data sorted by address.

200 South State College Boulevard

2011	OSAKA SEAFOOD BUFFET
2006	BOBBY MCGEE'S CONGLOMERATION
2002	BOBBY MCGEE S CONGLOMERATION
2002	RAGEN Dennis
1996	BOBBY MCGEES
1991	BOBBY MCGEES
1986	BOBBY MCGEES

211 South State College Boulevard

2002	XXXX
1996	XXXX
1991	PORT A DJ
1991	WESTRN UN CNSMR SVS
1991	ANAHEIM POP WARNER

220 South State College Boulevard

2011	BANCO POPULAR
2006	BANCO POPULAR
2002	MILLER David
2002	QUAKER CTY FED SVNGS&LN
1996	QUAKER FED SVG&LOAN
1996	QUAKER CTY SVG&LOAN
1991	UNION FED SVGS&LOAN
1986	XXXX

230 South State College Boulevard

2011	WELLS FARGO BREA
2006	WELLS FRGO
2002	WELLS FARGO BK
1996	WELLS FARGO BK SERV
1991	SECURITY PAC

234 South State College Boulevard

2002	XXXX
1996	ACE SHOE REPAIR
1991	PARK SHOE REPAIR

240 South State College Boulevard

2011	LA VIE EN ROSE RESTAURANT
2006	LA VIE EN ROSE RESTAURANT
2006	VIE EN ROSE LA
2002	LA VIE EN ROSE
2002	VIE EN ROSE LA
1996	VIE EN ROSE LA
1996	LAVIEEN ROSE
1991	VIE EN ROSE LA
1991	LAVIEEN Rose
1986	LAVIE EN ROSE
1986	VIE EN ROSE LA

250 South State College Boulevard

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2011	XXXX
2006	ISLANDS RESTAURANTS BREA
2002	ISLANDS RESTAURANTS
1996	ISLANDS RESTAURANT
1991	AVILAS MEXICAN REST
1991	EL RANCHITO CATERNG
1991	EL RANCHITO MEXICAN
1986	GOOD EARTH RSTRNT

270 South State College Boulevard

2011	CHASE
2006	WASH MUTUAL
2002	WASHINGTON MUTL BK LCTNS
2002	BERRYMAN Dennis
1996	GREAT WSTRN FNCL
1991	GREAT WSTRN BK SVGS
1986	GREAT WSTRN SAVINGS

280 South State College Boulevard

2011	ALFRED ANGELO BRIDAL
2011	FRIAR TUX SHOP
2006	ILLUSIONS FORMAL TXD&BRDL CT
2006	FRIAR TUX SHOP
2006	ALLUSIONS FRML TXDO&BRDL CNTR
2002	ILLUSIONS FORMAL TXD&BRDL CT
2002	CHEW Cheryl
2002	ALLUSIONS FORMAL TUXEDO&BRIDAL
1996	FIRST INTRST ACCNTS
1991	FIRST INTRST NOTES
1991	FIRST INTRST LOANS
1991	FIRST INTRST
1991	FIRST INTRST ACCNT
1986	FIRST INTRST BK

290 South State College Boulevard

2011	BANK OF AMERICA
2011	BANK OF AM BNA PRK-TLPHNE
2006	BANK AM BANKING CT
2002	CLOCK Edwin
2002	BANK AM BANKING CT
1996	XXXX
1991	BANK AM NEW LN INFO

Abstract Section 2: This section includes the city directory data sorted by the year the city directory was published.

2011

200 South State College Boulevard	OSAKA SEAFOOD BUFFET
220 South State College Boulevard	BANCO POPULAR
230 South State College Boulevard	WELLS FARGO BREA
240 South State College Boulevard	LA VIE EN ROSE RESTAURANT
250 South State College Boulevard	XXXX

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270 South State College Boulevard	CHASE
280 South State College Boulevard	ALFRED ANGELO BRIDAL
280 South State College Boulevard	FRIAR TUX SHOP
290 South State College Boulevard	BANK OF AM BNA PRK-TLPHNE
290 South State College Boulevard	BANK OF AMERICA
2006	
200 South State College Boulevard	BOBBY MCGEE'S CONGLOMERATION
220 South State College Boulevard	BANCO POPULAR
230 South State College Boulevard	WELLS FRGO
240 South State College Boulevard	LA VIE EN ROSE RESTAURANT
240 South State College Boulevard	VIE EN ROSE LA
250 South State College Boulevard	ISLANDS RESTAURANTS BREA
270 South State College Boulevard	WASH MUTUAL
280 South State College Boulevard	ILLUSIONS FORMAL TXD&BRDL CT
280 South State College Boulevard	FRIAR TUX SHOP
280 South State College Boulevard	ALLUSIONS FRML TXDO&BRDL CNTR
290 South State College Boulevard	BANK AM BANKING CT
2002	
	X IMPERIAL HWY E
200 South State College Boulevard	BOBBY MCGEE S CONGLOMERATION
200 South State College Boulevard	RAGEN Dennis
211 South State College Boulevard	XXXX
220 South State College Boulevard	MILLER David
220 South State College Boulevard	QUAKER CTY FED SVNGS&LN
230 South State College Boulevard	WELLS FARGO BK
234 South State College Boulevard	XXXX
240 South State College Boulevard	VIE EN ROSE LA
240 South State College Boulevard	LA VIE EN ROSE
250 South State College Boulevard	ISLANDS RESTAURANTS
270 South State College Boulevard	BERRYMAN Dennis
270 South State College Boulevard	WASHINGTON MUTL BK LCTNS
280 South State College Boulevard	ALLUSIONS FORMAL TUXEDO&BRIDAL
280 South State College Boulevard	CHEW Cheryl
280 South State College Boulevard	ILLUSIONS FORMAL TXD&BRDL CT
290 South State College Boulevard	CLOCK Edwin
290 South State College Boulevard	BANK AM BANKING CT
	X AVOCADO
1996	
200 South State College Boulevard	BOBBY MCGEES
211 South State College Boulevard	XXXX
220 South State College Boulevard	QUAKER CTY SVG&LOAN
220 South State College Boulevard	QUAKER FED SVG&LOAN
230 South State College Boulevard	WELLS FARGO BK SERV
234 South State College Boulevard	ACE SHOE REPAIR
240 South State College Boulevard	LAVIEEN ROSE
240 South State College Boulevard	VIE EN ROSE LA
250 South State College Boulevard	ISLANDS RESTAURANT
270 South State College Boulevard	GREAT WSTRN FNCL

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280 South State College Boulevard	FIRST INTRST ACCNTS
290 South State College Boulevard	XXXX
1991	
200 South State College Boulevard	BOBBY MCGEES
211 South State College Boulevard	ANAHEIM POP WARNER
211 South State College Boulevard	PORT A DJ
211 South State College Boulevard	WESTRN UN CNSMR SVS
220 South State College Boulevard	UNION FED SVGS&LOAN
230 South State College Boulevard	SECURITY PAC
234 South State College Boulevard	PARK SHOE REPAIR
240 South State College Boulevard	LAVIEEN Rose
240 South State College Boulevard	VIE EN ROSE LA
250 South State College Boulevard	AVILAS MEXICAN REST
250 South State College Boulevard	EL RANCHITO CATERNG
250 South State College Boulevard	EL RANCHITO MEXICAN
270 South State College Boulevard	GREAT WSTRN BK SVGS
280 South State College Boulevard	FIRST INTRST ACCNT
280 South State College Boulevard	FIRST INTRST LOANS
280 South State College Boulevard	FIRST INTRST
280 South State College Boulevard	FIRST INTRST NOTES
290 South State College Boulevard	BANK AM NEW LN INFO
1986	
200 South State College Boulevard	BOBBY MCGEES
220 South State College Boulevard	XXXX
240 South State College Boulevard	LAVIE EN ROSE
240 South State College Boulevard	VIE EN ROSE LA
250 South State College Boulevard	GOOD EARTH RSTRNT
270 South State College Boulevard	GREAT WSTRN SAVINGS
280 South State College Boulevard	FIRST INTRST BK

DRAFT

APPENDIX D
ENVIRONMENTAL DATABASE INFORMATION

DRAFT

1638 - Brea, CA
100 Brea Mall
Brea, CA 92821

Inquiry Number: 4071150.2s
September 19, 2014

The EDR Radius Map™ Report with GeoCheck®

DRAFT

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR).
The results of this search follow:

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1638 - BREA, CA
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BREA, CA 92821
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STANDARD ENVIRONMENTAL RECORDS

ADDITIONAL ENVIRONMENTAL RECORDS

| TARGET PROPERTY SEARCH RESULTS
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Distance ft.
Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | CERCLIS | FEDERAL FACILITY | CERC-NFRAP | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-CESQG | US ENG CONTROLS | US INST CONTROL | LUCIS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | SLIC | INDIAN LUST | UST | AST | INDIAN UST | FEMA UST | VCP | INDIAN VCP | US BROWNFIELDS | ODI | DEBRIS REGION 9 | SWRCY | HAULERS | INDIAN ODI | WMUDS/SWAT | US CDL | HIST Cal-Sites | SCH | Toxic Pits | CDL | US HIST CDL | CA FID UST | HIST UST | SWEEPS UST | LIENS 2 | LIENS | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | DOT OPS | DOD | FUDS | CONSENT | ROD | UMTRA | US MINES | TRIS | TSCA | FTTS | HIST FTTS | SSTS | ICIS | PADS | MLTS | RADINFO | FINDS | RAATS | RMP | CA BOND EXP. PLAN | UIC | NPDES | Cortese | HIST CORTESE | CUPA Listings | Notify 65 | DRYCLEANERS | WIP | ENF | HAZNET | EMI | INDIAN RESERV | SCRD DRYCLEANERS | PRP | PCB TRANSFORMER | HWP | WDS | US AIRS | US FIN ASSUR | COAL ASH EPA | PROC | LEAD SMELTERS | 2020 COR ACTION | EPA WATCH LIST | Financial Assurance | MWMP |
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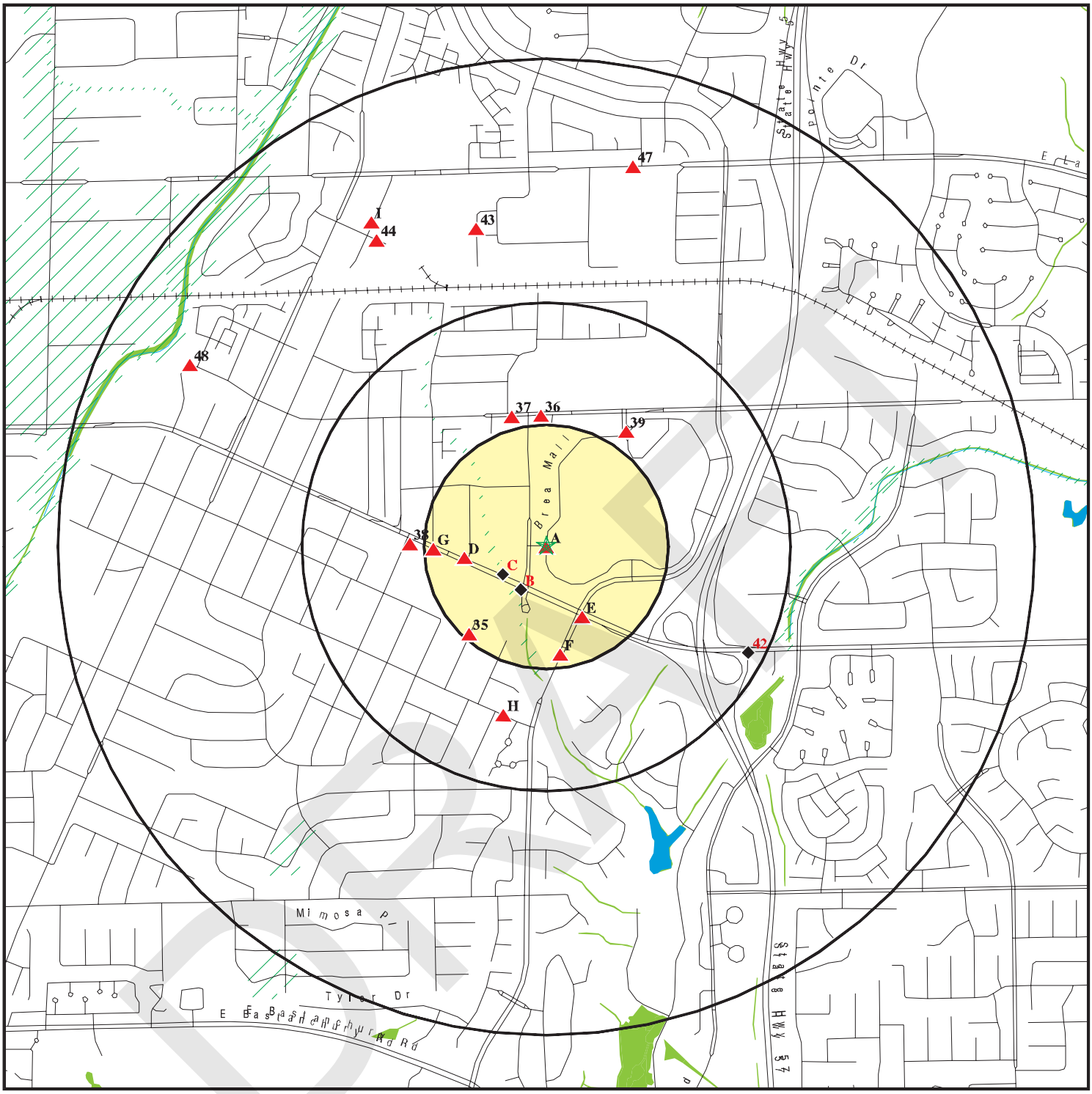
|---|---|---

OVERVIEW MAP - 4071150.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 1638 - Brea, CA	CLIENT: Terracon
ADDRESS: 100 Brea Mall Brea CA 92821	CONTACT: Sami Noaman INQUIRY #: 4071150.2s
LAT/LONG: 33.9138 / 117.8891	DATE: September 19, 2014 3:57 pm

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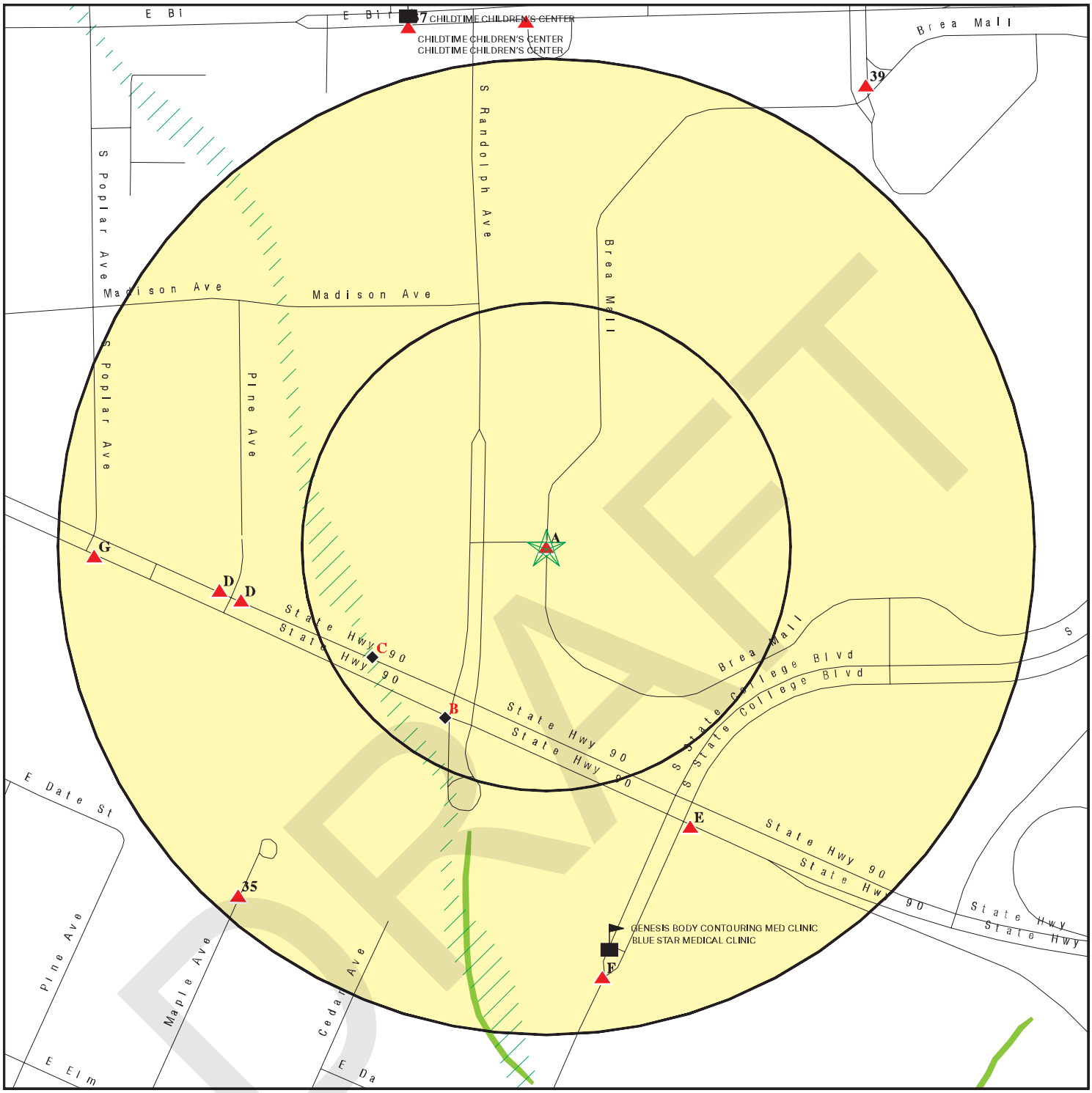
DETAIL MAP - 4071150.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

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LAT/LONG: 33.9138 / 117.8891	DATE: September 19, 2014 3:59 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250	1	1	4	NR	NR	NR	6
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	6	NR	6
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	5	7	NR	NR	12

DRAFT

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250	1	0	4	NR	NR	NR	5
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		0	3	NR	NR	NR	3
HIST UST	0.250	1	0	4	NR	NR	NR	5
SWEEPS UST	0.250		0	2	NR	NR	NR	2
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0

DRAFT

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS	TP		NR	NR	NR	NR	NR	0
Orange Co. Industrial Site	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	2	3	NR	NR	5
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		2	1	NR	NR	NR	3
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0

DRAFT

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MWMP	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250	1	0	4	NR	NR	NR	5
EDR US Hist Cleaners	0.250		2	1	NR	NR	NR	3
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

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A1 **SEARS #1638/6458/8358** **FINDS** **1008153197**
Target **100 BREA MALL** **N/A**
Property **BREA, CA 92821**

Site 1 of 6 in cluster A

Actual: **331 ft.**

FINDS:

Registry ID: 110019007091

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A2 **SEARS- BREA** **RCRA-SQG** **1000369401**
Target **100 BREA MALL** **CAD980892301**
Property **BREA, CA 92821**

Site 2 of 6 in cluster A

Actual: **331 ft.**

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SEARS- BREA
Facility address:	100 BREA MALL BREA, CA 92821
EPA ID:	CAD980892301
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	SEARS
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner

DRAFT

SEARS- BREA (Continued) **1000369401**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 10/09/1985
Site name: SEARS- BREA
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 09/28/1992
Date achieved compliance: 05/12/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/12/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

DRAFT

SEARS- BREA (Continued) **1000369401**

Evaluation lead agency: State Contractor/Grantee

Evaluation date: 09/28/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/12/1994
Evaluation lead agency: State Contractor/Grantee

A3 **EDR US Hist Auto Stat** **1015117669**
Target Property **100 BREA MALL** **N/A**
BREA, CA 92821

Site 3 of 6 in cluster A

Actual: 331 ft.

EDR Historical Auto Stations:
Name: SEARS AUTO CTR
Year: 2010
Address: 100 BREA MALL

Name: SEARS AUTO CENTER
Year: 2011
Address: 100 BREA MALL

A4 **SEARS ROEBUCK & CO #1638** **UST** **U003941576**
Target Property **100 BREA MALL** **N/A**
BREA, CA 92821

Site 4 of 6 in cluster A

Actual: 331 ft.

UST:
Facility ID: 4062
Latitude: 33.9184213
Longitude: -117.8875989
Permitting Agency: ORANGE COUNTY

A5 **SEARS, ROEBUCK AND CO.** **HIST UST** **U001576737**
Target Property **100 BREA MALL** **N/A**
BREA, CA 92621

Site 5 of 6 in cluster A

Actual: 331 ft.

HIST UST:
Region: STATE
Facility ID: 00000036076
Facility Type: Other
Other Type: RETAIL
Total Tanks: 0001
Contact Name: Not reported
Telephone: 7149906020
Owner Name: SEARS, ROEBUCK AND CO.
Owner Address: 100 BREA MALL
Owner City,St,Zip: BREA, CA 92621

Tank Num: 001
Container Num: 1
Year Installed: 1977

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SEARS, ROEBUCK AND CO. (Continued) **U001576737**

Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Visual

A6 **SEARS ROEBUCK AND CO 1638/6458/8358** **HAZNET** **S113003213**
Target **100 BREA MALL** **N/A**
Property **BREA, CA 92621**

Site 6 of 6 in cluster A

Actual:
331 ft.

HAZNET:
Year: 2012
Gepaid: CAD980892301
Contact: CHRISTOPHER LIPMAN
Telephone: 8472860037
Mailing Name: Not reported
Mailing Address: 3333 BEVERLY RD B5-362A
Mailing City,St,Zip: HOFFMAN ESTATES, IL 601790000
Gen County: Orange
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0315
Facility County: Orange

Year: 2012
Gepaid: CAD980892301
Contact: CHRISTOPHER LIPMAN
Telephone: 8472860037
Mailing Name: Not reported
Mailing Address: 3333 BEVERLY RD B5-362A
Mailing City,St,Zip: HOFFMAN ESTATES, IL 601790000
Gen County: Orange
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0315
Facility County: Orange

Year: 2012
Gepaid: CAD980892301
Contact: CHRISTOPHER LIPMAN
Telephone: 8472860037
Mailing Name: Not reported
Mailing Address: 3333 BEVERLY RD B5-362A
Mailing City,St,Zip: HOFFMAN ESTATES, IL 601790000
Gen County: Orange
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

DRAFT

SEARS ROEBUCK AND CO 1638/6458/8358 (Continued) **S113003213**

Tons: 0.009
Facility County: Orange

Year: 2012
Gepaid: CAD980892301
Contact: CHRISTOPHER LIPMAN
Telephone: 8472860037
Mailing Name: Not reported
Mailing Address: 3333 BEVERLY RD B5-362A
Mailing City,St,Zip: HOFFMAN ESTATES, IL 601790000
Gen County: Orange
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.009
Facility County: Orange

Year: 2012
Gepaid: CAD980892301
Contact: CHRISTOPHER LIPMAN
Telephone: 8472860037
Mailing Name: Not reported
Mailing Address: 3333 BEVERLY RD B5-362A
Mailing City,St,Zip: HOFFMAN ESTATES, IL 601790000
Gen County: Orange
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.009
Facility County: Orange

Click this hyperlink while viewing on your computer to access
208 additional CA_HAZNET: record(s) in the EDR Site Report.

B7 **WILD WEST CLEANERS** **Orange Co. Industrial Site** **S103995870**
SSW **1080 E IMPERIAL HWY** **DRYCLEANERS** **N/A**
< 1/8 **BREA, CA 92821**
0.102 mi.
537 ft. **Site 1 of 2 in cluster B**

Relative:
Lower

Actual:
322 ft.

Orange Co. Industrial Site:
Case ID: 12IC012
Region: ORANGE
Record ID: RO0003589
Current Status: CLOSED 4/29/2031
Closure Type: Closure certification issued
Released Chemical: Not reported

DRYCLEANERS:
EPA Id: CAL000036744
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211

DRAFT

WILD WEST CLEANERS (Continued) **S103995870**

SIC Description:	Power Laundries, Family and Commercial
Create Date:	12/03/2009
Facility Active:	No
Inactive Date:	06/30/2013
Facility Addr2:	Not reported
Owner Name:	TAE HONG CHOI
Owner Address:	3906 TERMINO PL
Owner Address 2:	Not reported
Owner Telephone:	7145292929
Contact Name:	TAI HONG CHOI
Contact Address:	3906 TERMINO PL
Contact Address 2:	Not reported
Contact Telephone:	7148706350
Mailing Name:	Not reported
Mailing Address 1:	1080 E IMPERIAL HWY STE E-2
Mailing Address 2:	Not reported
Mailing City:	BREA
Mailing State:	CA
Mailing Zip:	928215614
Owner Fax:	Not reported
Region Code:	4

B8 **EDR US Hist Cleaners** **1014973078**
SSW **1080 E IMPERIAL HWY** **N/A**
< 1/8 **BREA, CA 92821**
0.102 mi.
537 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

Actual:
322 ft.

EDR Historical Cleaners:

Name:	WILD WEST CLEANERS
Year:	2001
Address:	1080 E IMPERIAL HWY
Name:	WILD WEST CLEANERS
Year:	2004
Address:	1080 E IMPERIAL HWY
Name:	WILD WEST CLEANERS
Year:	2005
Address:	1080 E IMPERIAL HWY
Name:	WILD WEST CLEANERS
Year:	2006
Address:	1080 E IMPERIAL HWY
Name:	WILD WEST CLEANERS
Year:	2010
Address:	1080 E IMPERIAL HWY
Name:	WILD WEST CLEANERS
Year:	2011
Address:	1080 E IMPERIAL HWY
Name:	WILD WEST CLEANERS
Year:	2012
Address:	1080 E IMPERIAL HWY

DRAFT

C9
WSW
< 1/8
0.105 mi.
556 ft.

CALIFORNIA CLEANERS
1027 E IMPERIAL HWY STE D1
BREA, CA 92821

Site 1 of 3 in cluster C

DRYCLEANERS **S106858401**
N/A

Relative:
Lower

Actual:
324 ft.

DRYCLEANERS:

EPA Id:	CAD983656430
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	12/03/2009
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Owner Name:	JOON MO BANG
Owner Address:	1915 WHITE STAR DR
Owner Address 2:	Not reported
Owner Telephone:	9098169711
Contact Name:	JOON BANG
Contact Address:	1027 E IMPERIAL HWY STE D1
Contact Address 2:	Not reported
Contact Telephone:	7146712013
Mailing Name:	Not reported
Mailing Address 1:	1027 E IMPERIAL HWY STE D1
Mailing Address 2:	Not reported
Mailing City:	BREA
Mailing State:	CA
Mailing Zip:	928215620
Owner Fax:	Not reported
Region Code:	4

C10
WSW
< 1/8
0.105 mi.
556 ft.

CALIFORNIA CLEANERS
1027 E IMPERIAL HWY
BREA, CA 92821

Site 2 of 3 in cluster C

RCRA-SQG **1000819648**
CAD983656430

Relative:
Lower

Actual:
324 ft.

RCRA-SQG:

Date form received by agency:	01/06/1993
Facility name:	CALIFORNIA CLEANERS
Facility address:	1027 E IMPERIAL HWY BREA, CA 92821
EPA ID:	CAD983656430
Contact:	IN FIALA
Contact address:	1027 E IMPERIAL BREA, CA 92621
Contact country:	US
Contact telephone:	(714) 671-2013
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

DRAFT

CALIFORNIA CLEANERS (Continued) **1000819648**

Owner/Operator Summary:
Owner/operator name: IN FIALA
Owner/operator address: 1027 E IMPERIAL
BREA, CA 92621
Owner/operator country: Not reported
Owner/operator telephone: (714) 671-2013
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

C11 **EDR US Hist Cleaners** **1014969394**
WSW **1027 E IMPERIAL HWY** **N/A**
< 1/8 **BREA, CA 92821**
0.105 mi.
556 ft. **Site 3 of 3 in cluster C**

Relative:
Lower

Actual:
324 ft.

EDR Historical Cleaners:
Name: CALIFORNIA CLEANERS
Year: 2001
Address: 1027 E IMPERIAL HWY

Name: CALIFORNIA CLEANERS
Year: 2004
Address: 1027 E IMPERIAL HWY

Name: CALIFORNIA CLEANERS
Year: 2005
Address: 1027 E IMPERIAL HWY

Name: CALIFORNIA CLEANERS
Year: 2006
Address: 1027 E IMPERIAL HWY

Name: CALIFORNIA CLEANERS
Year: 2010
Address: 1027 E IMPERIAL HWY

Name: CALIFORNIA CLEANERS

DRAFT

(Continued) **1014969394**

Year: 2011
Address: 1027 E IMPERIAL HWY

Name: CALIFORNIA CLEANERS
Year: 2012
Address: 1027 E IMPERIAL HWY

D12 **EDR US Hist Auto Stat** **1015668908**
West **903 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92821**
0.159 mi.
837 ft. **Site 1 of 7 in cluster D**

Relative:
Higher

Actual:
341 ft.

EDR Historical Auto Stations:
Name: MIDAS MUFFLER SHOPS
Year: 1999
Address: 903 E IMPERIAL HWY

Name: MIDAS MUFFLER SHOPS
Year: 2001
Address: 903 E IMPERIAL HWY

Name: MIDAS COMPLETE AUTO SERVICE EXPERTS
Year: 2007
Address: 903 E IMPERIAL HWY

Name: MIDAS COMPLETE AUTO SERVICE EXPERTS
Year: 2008
Address: 903 E IMPERIAL HWY

D13 **MIDAS MUFFLER** **RCRA-SQG** **1000595394**
West **903 E IMPERIAL HWY** **FINDS** **CAD983593302**
1/8-1/4 **BREA, CA 92821**
0.159 mi.
837 ft. **Site 2 of 7 in cluster D**

Relative:
Higher

Actual:
341 ft.

RCRA-SQG:
Date form received by agency: 07/22/1991
Facility name: MIDAS MUFFLER
Facility address: 903 E IMPERIAL HWY
BREA, CA 92821
EPA ID: CAD983593302
Contact: CORLESS JOAN
Contact address: 903 E IMPERIAL HWY
BREA, CA 92621
Contact country: US
Contact telephone: (714) 990-2333
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

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MIDAS MUFFLER (Continued) **1000595394**

Owner/Operator Summary:
Owner/operator name: R&J CORLESS INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110006481618

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

DRAFT

E14 **UNOCAL SERVICE STATION #6356** **LUST** **S113040618**
SSE **1200 EAST IMPERIAL HIGHWAY** **HAZNET** **N/A**
1/8-1/4 **BREA, CA 92621**
0.161 mi.
851 ft. **Site 1 of 9 in cluster E**

Relative:
Higher

Actual:
342 ft.

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	95UT008
Current Status:	Certification (Case Closed)
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	03/19/2003
Case Type:	Other Ground Water
Record ID:	RO0001438

HAZNET:

Year:	1998
Gepaid:	CAL000046628
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAD099452708
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Transfer Station
Tons:	.4044
Facility County:	Orange

Year:	1996
Gepaid:	CAL000046628
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	.4795
Facility County:	Orange

Year:	1996
Gepaid:	CAL000046628
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Transfer Station
Tons:	.8340

DRAFT

UNOCAL SERVICE STATION #6356 (Continued) **S113040618**

Facility County: Orange

Year: 1995
Gepaid: CAL000046628
Contact: UNION OIL COMPANY OF CALIFORNI
Telephone: 7144286560
Mailing Name: Not reported
Mailing Address: PO BOX 25376
Mailing City,St,Zip: SANTA ANA, CA 927995376
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .4170
Facility County: Orange

Year: 1994
Gepaid: CAL000046628
Contact: UNION OIL COMPANY OF CALIFORNI
Telephone: 7144286560
Mailing Name: Not reported
Mailing Address: PO BOX 25376
Mailing City,St,Zip: SANTA ANA, CA 927995376
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Treatment, Tank
Tons: 3.6487
Facility County: Orange

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

E15 **STATION # 6356** **HIST UST** **U001576742**
SSE **1200 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92621**
0.161 mi.
851 ft. **Site 2 of 9 in cluster E**

Relative:
Higher

Actual:
342 ft.

HIST UST:
Region: STATE
Facility ID: 00000043774
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0001
Contact Name: NASSER FIROUZNAM
Telephone: 7145292171
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 1450 FRAZEE ROAD
Owner City,St,Zip: SAN DIEGO, CA 92108

Tank Num: 001
Container Num: 6356-00
Year Installed: 1975
Tank Capacity: 00000000
Tank Used for: WASTE

DRAFT

STATION # 6356 (Continued) **U001576742**

Type of Fuel: Not reported
Tank Construction: 6 inches
Leak Detection: Visual

E16 **TOSCO - 76 STATION # 6356** **LUST** **S101631275**
SSE **1200 IMPERIAL** **CA FID UST** **N/A**
1/8-1/4 **BREA, CA 92621**
0.161 mi.
851 ft. **Site 3 of 9 in cluster E**

Relative:
Higher

Actual:
342 ft.

LUST:

Region:	STATE
Global Id:	T0605901835
Latitude:	33.911344
Longitude:	-117.8872272
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/19/2003
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083002640T
LOC Case Number:	95UT008
File Location:	Local Agency Warehouse
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605901835
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Global Id:	T0605901835
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0605901835
Status:	Completed - Case Closed
Status Date:	03/19/2003

Global Id:	T0605901835
Status:	Open - Case Begin Date
Status Date:	11/14/1994

DRAFT

TOSCO - 76 STATION # 6356 (Continued) **S101631275**

Regulatory Activities:

Global Id:	T0605901835
Action Type:	ENFORCEMENT
Date:	03/19/2003
Action:	Closure/No Further Action Letter
Global Id:	T0605901835
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0605901835
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

CA FID UST:

Facility ID:	30011434
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7145292171
Mail To:	Not reported
Mailing Address:	911 WILSHIRE BLVD STE 10
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BREA 92621
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

E17 **BREA CAR CARE CTR** **RCRA-SQG 1001022982**
SSE **1200 E IMPERIAL HWY** **FINDS CAR000003269**
1/8-1/4 **BREA, CA 92821**
0.161 mi.
851 ft. **Site 4 of 9 in cluster E**

Relative:
Higher

Actual:
342 ft.

RCRA-SQG:

Date form received by agency:	06/06/1995
Facility name:	BREA CAR CARE CTR
Facility address:	1200 E IMPERIAL HWY BREA, CA 92821
EPA ID:	CAR000003269
Contact:	JERRY CRANDALL
Contact address:	1200 E IMPERIAL HWY BREA, CA 92621
Contact country:	US
Contact telephone:	(714) 529-2172
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous

DRAFT

BREA CAR CARE CTR (Continued) **1001022982**

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	UNION OIL CO
Owner/operator address:	2929 E IMPERIAL BREA, CA 92621
Owner/operator country:	Not reported
Owner/operator telephone:	(714) 572-7004
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110006485366

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

DRAFT

E18
SSE
1/8-1/4
0.161 mi.
851 ft.

BREA C STORE AND GAS
1200 E IMPERIAL HWY
BREA, CA 92821

Site 5 of 9 in cluster E

Relative: Higher

Actual: 342 ft.

ORANGE CO. UST:
Facility ID: FA0055344

Database(s): **UST**
EDR ID Number: **U004200594**
EPA ID Number: **N/A**

E19
SSE
1/8-1/4
0.161 mi.
851 ft.

UNION OIL SERVICE STATION #635
1200 E IMPERIAL HWY
BREA, CA 92621

Site 6 of 9 in cluster E

Relative: Higher

Actual: 342 ft.

HIST UST:
Region: STATE
Facility ID: 00000013563
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Contact Name: NASSER FIROUZNAM
Telephone: 7145292171
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 123 CAMINO DE LA REINA
Owner City,St,Zip: SAN DIEGO, CA 92108

Tank Num: 001
Container Num: 6356-34
Year Installed: 1974
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 6356-22
Year Installed: 1974
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 6356-11
Year Installed: 1974
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor, 10

Database(s): **HIST UST**
EDR ID Number: **U001576753**
EPA ID Number: **N/A**

DRAFT

E20
SSE
1/8-1/4
0.161 mi.
851 ft.

UNOCAL #6356
1200 E IMPERIAL HWY
BREA, CA 92821

Site 7 of 9 in cluster E

Database(s): UST
EDR ID Number: U003938521
EPA ID Number: N/A

Relative:
Higher

Actual:
342 ft.

UST:

Facility ID:	2055
Latitude:	33.9125233
Longitude:	-117.8863843
Permitting Agency:	ORANGE COUNTY

E21
SSE
1/8-1/4
0.161 mi.
851 ft.

UNOCAL #6356
1200 E IMPERIAL HWY
BREA, CA 92621

Site 8 of 9 in cluster E

Database(s): SWEEPS UST
EDR ID Number: U003982001
EPA ID Number: N/A

Relative:
Higher

Actual:
342 ft.

SWEEPS UST:

Status:	Active
Comp Number:	2055
Number:	9
Board Of Equalization:	44-001057
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002055-000005
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2055
Number:	9
Board Of Equalization:	44-001057
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002055-000001
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	P
Content:	Not reported
Number Of Tanks:	3

Status:	Active
Comp Number:	2055
Number:	9
Board Of Equalization:	44-001057
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88

DRAFT

UNOCAL #6356 (Continued) **U003982001**

Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002055-000004
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

E22 **TOSCO - 76 STATION # 6356** **LUST** **S105181191**
SSE **1200 IMPERIAL** **N/A**
1/8-1/4 **BREA, CA 92621**
0.163 mi.
859 ft. **Site 9 of 9 in cluster E**

Relative:
Higher

Actual:
343 ft.

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083002640T
Local Case Num:	95UT008
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	AG
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901835
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	11/14/1994
Enforcement Date:	Not reported
Close Date:	3/19/2003
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.911344
Longitude:	-117.8872272
MTBE Date:	1/18/2002
Max MTBE GW:	11

DRAFT

TOSCO - 76 STATION # 6356 (Continued) **S105181191**

MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	NOM
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

D23 **FIRESTONE STORES OF BREA INC.** **HIST UST** **1000222934**
West **891 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92621**
0.169 mi.
891 ft. **Site 3 of 7 in cluster D**

Relative:
Higher

Actual:
343 ft.

HIST UST:

Region:	STATE
Facility ID:	00000031764
Facility Type:	Other
Other Type:	AUTO SERVICE CENTER
Total Tanks:	0001
Contact Name:	REX M. WEISSENBACH
Telephone:	7145298404
Owner Name:	FIRESTONE TIRE AND RUBBER CO.
Owner Address:	1200 FIRESTONE PARKWAY
Owner City,St,Zip:	AKRON, OH 44317
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	Not reported
Leak Detection:	None

D24 **FIRESTONE TIRE AND RUBBER** **CA FID UST** **S101589342**
West **891 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92621**
0.169 mi.
891 ft. **Site 4 of 7 in cluster D**

Relative:
Higher

Actual:
343 ft.

CA FID UST:

Facility ID:	30007380
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7145298404

DRAFT

FIRESTONE TIRE AND RUBBER (Continued) **S101589342**

Mail To:	Not reported
Mailing Address:	1200 FIRESTONE PKY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BREA 92621
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

D25 **EDR US Hist Auto Stat** **1015664078**
West **891 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92821**
0.169 mi.
891 ft. **Site 5 of 7 in cluster D**

Relative:
Higher

Actual:
343 ft.

EDR Historical Auto Stations:

Name:	FIRESTONE TIRE & SERVICE CNTR
Year:	2003
Address:	891 E IMPERIAL HWY
Name:	FIRESTONE TIRE & SERVICE CENTERS
Year:	2008
Address:	891 E IMPERIAL HWY
Name:	FIRESTONE COMPLETE AUTO CARE
Year:	2010
Address:	891 E IMPERIAL HWY
Name:	FIRESTONE COMPLETE AUTO CARE ANAHEIM
Year:	2011
Address:	891 E IMPERIAL HWY

D26 **FIRESTONE TIRE AND RUBBER** **UST** **U004186708**
West **891 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92821**
0.169 mi.
891 ft. **Site 6 of 7 in cluster D**

Relative:
Higher

Actual:
343 ft.

UST:

Facility ID:	4065
Latitude:	33.9151355
Longitude:	-117.8908418
Permitting Agency:	ORANGE COUNTY

DRAFT

D27 **FIRESTONE** **HIST CORTESE** **S102429983**
West **891 IMPERIAL** **LUST** **N/A**
1/8-1/4 **BREA, CA 92621**
0.169 mi.
891 ft. **Site 7 of 7 in cluster D**

Relative:
Higher

Actual:
343 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083002770T

LUST:
Region: STATE
Global Id: T0605901910
Latitude: 33.913704
Longitude: -117.892085
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/07/1995
Lead Agency: ORANGE COUNTY LOP
Case Worker: TE
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083002770T
LOC Case Number: 95UT010
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel, Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0605901910
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rscott@waterboards.ca.gov
Phone Number: 9513206375

Global Id: T0605901910
Contact Type: Local Agency Caseworker
Contact Name: TAMARA ESCOBEDO
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: tescobedo@ochca.com
Phone Number: 7144336251

Status History:
Global Id: T0605901910
Status: Open - Case Begin Date
Status Date: 12/01/1994

Global Id: T0605901910
Status: Completed - Case Closed
Status Date: 11/07/1995

DRAFT

FIRESTONE (Continued) **S102429983**

Regulatory Activities:

Global Id:	T0605901910
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0605901910
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	95UT010
Current Status:	Certification (Case Closed)
Released Substance:	Waste oil/Used oil
Date Closed:	11/07/1995
Case Type:	Soil Only
Record ID:	RO0001161

Region:	ORANGE
Facility Id:	95UT010
Current Status:	Certification (Case Closed)
Released Substance:	Diesel fuel oil and additives, Nos.1-D, 2-D,2-4
Date Closed:	11/07/1995
Case Type:	Soil Only
Record ID:	RO0001161

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083002770T
Local Case Num:	95UT010
Case Type:	Soil only
Substance:	12034,12035
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901910
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	12/1/1994
Enforcement Date:	Not reported
Close Date:	11/7/1995
Date Prelim Assessment Workplan Submitted:	Not reported

DRAFT

FIRESTONE (Continued) **S102429983**

Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9135159
Longitude:	-117.8917734
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	RS
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

F28 **BERTOLLINI BLDG** **UST** **U003713594**
South **405 S STATE COLLEGE BLVD** **N/A**
1/8-1/4 **BREA, CA 92821**
0.222 mi.
1173 ft. **Site 1 of 4 in cluster F**

Relative:
Higher

Actual:
337 ft.

UST:

Facility ID:	4082
Latitude:	33.9116474
Longitude:	-117.8877549
Permitting Agency:	ORANGE COUNTY

F29 **HOLMES BUILDING** **HIST UST** **U001576729**
South **405 S STATE COLLEGE BLVD** **N/A**
1/8-1/4 **BREA, CA 92621**
0.222 mi.
1173 ft. **Site 2 of 4 in cluster F**

Relative:
Higher

Actual:
337 ft.

HIST UST:

Region:	STATE
Facility ID:	00000019351
Facility Type:	Other
Other Type:	OFFICE
Total Tanks:	0001
Contact Name:	Not reported

DRAFT

HOLMES BUILDING (Continued) **U001576729**

Telephone: 2135921545
Owner Name: CHARLES BARTOLLINI
Owner Address: 405 SOUTH STATE COLLEGE BLVD
Owner City,St,Zip: BREA, CA 92621

Tank Num: 001
Container Num: 1
Year Installed: 1975
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: .250 inches
Leak Detection: Stock Inventor

F30 **BERTOLLINI BUILDING** **RCRA-SQG** **1000415505**
South **405 S STATE COLLEGE STE 103** **FINDS** **CAD981573173**
1/8-1/4 **BREA, CA 92821** **HIST CORTESE**
0.222 mi. **LUST**
1173 ft. **Site 3 of 4 in cluster F** **CA FID UST**
SWEEPS UST

Relative:
Higher

Actual:
337 ft.

RCRA-SQG:
Date form received by agency: 09/09/1986
Facility name: BERTOLLINI BUILDING
Facility address: 405 S STATE COLLEGE STE 103
BREA, CA 92821
EPA ID: CAD981573173
Contact: ENVIRONMENTAL MANAGER
Contact address: 405 S STATE COLLEGE STE 103
BREA, CA 92621
Contact country: US
Contact telephone: (714) 671-0200
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: CHARLES & SUSAN BERTOLLINI
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212

DRAFT

BERTOLLINI BUILDING (Continued) **1000415505**

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110006471353

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083002304T

LUST:
Region: STATE
Global Id: T0605901678
Latitude: 33.9253975
Longitude: -117.8827009
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/06/1997
Lead Agency: ORANGE COUNTY LOP
Case Worker: TE
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083002304T
LOC Case Number: 93UT037

DRAFT

BERTOLLINI BUILDING (Continued) **1000415505**

File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0605901678
Contact Type: Local Agency Caseworker
Contact Name: TAMARA ESCOBEDO
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: tescobedo@ochca.com
Phone Number: 7144336251

Global Id: T0605901678
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: vjahn-bull@waterboards.ca.gov
Phone Number: 9517824903

Status History:
Global Id: T0605901678
Status: Completed - Case Closed
Status Date: 02/06/1997

Global Id: T0605901678
Status: Open - Case Begin Date
Status Date: 05/03/1993

Regulatory Activities:
Global Id: T0605901678
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0605901678
Action Type: REMEDIATION
Date: 01/01/1950
Action: Not reported

Global Id: T0605901678
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 93UT037
Current Status: Certification (Case Closed)

DRAFT

BERTOLLINI BUILDING (Continued) **1000415505**

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 02/06/1997
Case Type: Other Ground Water
Record ID: RO0001845

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083002304T
Local Case Num:	93UT037
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901678
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	5/3/1993
Enforcement Date:	Not reported
Close Date:	2/6/1997
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.909809
Longitude:	-117.8890892
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported

DRAFT

BERTOLLINI BUILDING (Continued) **1000415505**

Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

CA FID UST:
Facility ID: 30005515
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146710200
Mail To: Not reported
Mailing Address: 405 S ST COLLEGE
Mailing Address 2: Not reported
Mailing City,St,Zip: BREA 92621
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: Active
Comp Number: 4082
Number: 9
Board Of Equalization: Not reported
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

F31 **EDR US Hist Auto Stat** **1015474996**
South **405 S STATE COLLEGE BLVD** **N/A**
1/8-1/4 **BREA, CA 92821**
0.225 mi.
1189 ft. **Site 4 of 4 in cluster F**

Relative:
Higher

Actual:
334 ft.

EDR Historical Auto Stations:
Name: DAVINCI AUTO DETAIL
Year: 2001
Address: 405 S STATE COLLEGE BLVD

DRAFT

G32 **A ONE CLEANERS** **RCRA-SQG** **1000880944**
West **802 E IMPERIAL HWY** **FINDS** **CAD981403397**
1/8-1/4 **BREA, CA 92821**
0.231 mi.
1222 ft. **Site 1 of 3 in cluster G**

Relative:
Higher

Actual:
352 ft.

RCRA-SQG:

Date form received by agency:	08/09/1993
Facility name:	A ONE CLEANERS
Facility address:	802 E IMPERIAL HWY BREA, CA 92821
EPA ID:	CAD981403397
Contact:	YOON LEE
Contact address:	802 E IMPERIAL HWY BREA, CA 92621
Contact country:	US
Contact telephone:	(714) 529-4464
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	A ONE CLEANERS
Owner/operator address:	802 E IMPERIAL HWY BREA, CA 92621
Owner/operator country:	Not reported
Owner/operator telephone:	(714) 529-4464
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No

DRAFT

A ONE CLEANERS (Continued) **1000880944**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110006470121

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

G33 **A-ONE CLEANERS, JOO YOUNG HWAN** **DRYCLEANERS** **S100928676**
West **802 E IMPERIAL HWY** **EMI** **N/A**
1/8-1/4 **BREA, CA 92021**
0.231 mi.
1222 ft. **Site 2 of 3 in cluster G**

Relative:
Higher

Actual:
352 ft.

DRYCLEANERS:
EPA Id: CAD981403397
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 12/03/2009
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Owner Name: YOON S LEE
Owner Address: 802 E IMPERIAL HWY
Owner Address 2: Not reported
Owner Telephone: 7145294464
Contact Name: LEE, YOON S
Contact Address: 802 E IMPERIAL HWY
Contact Address 2: Not reported
Contact Telephone: 7145294464
Mailing Name: Not reported
Mailing Address 1: 802 E IMPERIAL HWY
Mailing Address 2: Not reported
Mailing City: BREA
Mailing State: CA
Mailing Zip: 928210000
Owner Fax: Not reported
Region Code: 4

DRAFT

A-ONE CLEANERS, JOO YOUNG HWAN (Continued) **S100928676**

EMI:

Year:	1987
County Code:	30
Air Basin:	SC
Facility ID:	20198
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1990
County Code:	30
Air Basin:	SC
Facility ID:	62788
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1993
County Code:	30
Air Basin:	SC
Facility ID:	62788
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1995
County Code:	30
Air Basin:	SC
Facility ID:	62788
Air District Name:	SC

DRAFT

A-ONE CLEANERS, JOO YOUNG HWAN (Continued) **S100928676**

SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

G34
West
1/8-1/4
0.231 mi.
1222 ft.

Relative:
Higher

Actual:
352 ft.

802 E IMPERIAL HWY
BREA, CA 92821

Site 3 of 3 in cluster G

EDR US Hist Cleaners **1015097160**
N/A

EDR Historical Cleaners:

Name:	A ONE CLEANERS
Year:	2001
Address:	802 E IMPERIAL HWY
Name:	A ONE CLEANERS
Year:	2004
Address:	802 E IMPERIAL HWY
Name:	A ONE CLEANERS
Year:	2005
Address:	802 E IMPERIAL HWY
Name:	A ONE CLEANERS
Year:	2006
Address:	802 E IMPERIAL HWY
Name:	A ONE CLEANERS
Year:	2008
Address:	802 E IMPERIAL HWY
Name:	AONE CLEANERS
Year:	2010
Address:	802 E IMPERIAL HWY
Name:	AONE CLEANERS
Year:	2011
Address:	802 E IMPERIAL HWY
Name:	AONE CLEANERS
Year:	2012
Address:	802 E IMPERIAL HWY

DRAFT

35
SW
1/8-1/4
0.238 mi.
1259 ft.

415 MAPLE AVE
BREA, CA 92821

EDR US Hist Auto Stat **1015482512**
N/A

Relative:
Higher

Actual:
344 ft.

EDR Historical Auto Stations:
Name: MONNIGS AUTO SERVICE
Year: 2007
Address: 415 MAPLE AVE

36
North
1/4-1/2
0.269 mi.
1421 ft.

CIVIC CULTURAL CENTER
1 CIVIC CENTER
BREA, CA 92621

HIST CORTESE **U001576724**
LUST **N/A**
HIST UST

Relative:
Higher

Actual:
364 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083000772T

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083001373T

LUST:
Region: STATE
Global Id: T0605900611
Latitude: 33.9175309
Longitude: -117.8867663
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/31/1991
Lead Agency: ORANGE COUNTY LOP
Case Worker: TE
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083000772T
LOC Case Number: 87UT262
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0605900611
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rscott@waterboards.ca.gov
Phone Number: 9513206375

Global Id: T0605900611
Contact Type: Local Agency Caseworker

DRAFT

CIVIC CULTURAL CENTER (Continued) **U001576724**

Contact Name: TAMARA ESCOBEDO
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: tescobedo@ochca.com
Phone Number: 7144336251

Status History:
Global Id: T0605900611
Status: Completed - Case Closed
Status Date: 07/31/1991

Global Id: T0605900611
Status: Open - Case Begin Date
Status Date: 12/22/1987

Regulatory Activities:
Global Id: T0605900611
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0605900611
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 87UT262
Current Status: Certification (Case Closed)
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 07/31/1991
Case Type: Other Ground Water
Record ID: RO0002520

HIST UST:
Region: STATE
Facility ID: 00000006701
Facility Type: Other
Other Type: LOCAL GOVERMENT
Total Tanks: 0001
Contact Name: ED WOHLENBERG
Telephone: 7149907600
Owner Name: CITY OF BREA
Owner Address: #1 CIVIC CENTER CIR
Owner City,St,Zip: BREA, CA 92621

Tank Num: 001
Container Num: LAFD1670
Year Installed: 1979
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: DIESEL

DRAFT

CIVIC CULTURAL CENTER (Continued) **U001576724**

Tank Construction: Not reported
Leak Detection: Stock Inventor

37
NNW
1/4-1/2
0.276 mi.
1455 ft.

Relative: Higher

Actual: 360 ft.

USPS BREA POST OFFICE
700 E BIRCH ST
BREA, CA 92822

Database(s): RCRA-SQG, FINDS, HIST CORTESE, LUST, HIST UST

EDR ID Number: 1000143087
EPA ID Number: CA1180090465

RCRA-SQG:
Date form received by agency: 06/02/1988
Facility name: USPS BREA POST OFFICE
Facility address: 700 E BIRCH ST
BREA, CA 92822
EPA ID: CA1180090465
Contact: ENVIRONMENTAL MANAGER
Contact address: 700 E BIRCH
BREA, CA 92621
Contact country: US
Contact telephone: (714) 848-9994
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: US POSTAL SETVICE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No

DRAFT

USPS BREA POST OFFICE (Continued) **1000143087**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110006365806

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083000070T

LUST:

Region:	STATE
Global Id:	T0605902223
Latitude:	33.9174029
Longitude:	-117.8904574
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/06/2002
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083003314T
LOC Case Number:	98UT095
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605902223
Contact Type:	Regional Board Caseworker
Contact Name:	VALERIE JAHN-BULL
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500

DRAFT

USPS BREA POST OFFICE (Continued) **1000143087**

City:	RIVERSIDE
Email:	vjahn-bull@waterboards.ca.gov
Phone Number:	9517824903
Global Id:	T0605902223
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Status History:

Global Id:	T0605902223
Status:	Completed - Case Closed
Status Date:	09/06/2002
Global Id:	T0605902223
Status:	Open - Case Begin Date
Status Date:	11/20/1998

Regulatory Activities:

Global Id:	T0605902223
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0605902223
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation
Global Id:	T0605902223
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0605902223
Action Type:	ENFORCEMENT
Date:	05/09/2002
Action:	LOP Case Closure Summary to RB

Region:	STATE
Global Id:	T0605900055
Latitude:	33.917097
Longitude:	-117.890479
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/16/1990
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083000070T
LOC Case Number:	89UT120

DRAFT

USPS BREA POST OFFICE (Continued) **1000143087**

File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0605900055
Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: phannon@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0605900055
Contact Type: Local Agency Caseworker
Contact Name: TAMARA ESCOBEDO
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: tescobedo@ochca.com
Phone Number: 7144336251

Status History:
Global Id: T0605900055
Status: Open - Case Begin Date
Status Date: 06/19/1989

Global Id: T0605900055
Status: Completed - Case Closed
Status Date: 01/16/1990

Regulatory Activities:
Global Id: T0605900055
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0605900055
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 98UT095
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 09/06/2002
Case Type: Other Ground Water
Record ID: RO0000947

DRAFT

USPS BREA POST OFFICE (Continued) **1000143087**

Region:	ORANGE
Facility Id:	89UT120
Current Status:	Certification (Case Closed)
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	01/16/1990
Case Type:	Soil Only
Record ID:	RO0001980

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000070T
Local Case Num:	89UT120
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900055
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	6/19/1989
Enforcement Date:	Not reported
Close Date:	1/16/1990
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9174029
Longitude:	-117.8904574
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	PAH
Staff Initials:	AD

DRAFT

USPS BREA POST OFFICE (Continued) **1000143087**

Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083003314T
Local Case Num:	98UT095
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605902223
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	11/20/1998
Enforcement Date:	Not reported
Close Date:	9/6/2002
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9174029
Longitude:	-117.8904574
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	AD

DRAFT

USPS BREA POST OFFICE (Continued) **1000143087**

Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

HIST UST:

Region:	STATE
Facility ID:	00000052239
Facility Type:	Other
Other Type:	MAIL
Total Tanks:	0001
Contact Name:	PHIL REPCHINUCK
Telephone:	7145293000
Owner Name:	U.S. POSTAL SERVICE
Owner Address:	3101 W. SUNFLOWER
Owner City,St,Zip:	SANTA ANA, CA 92799

Tank Num:	001
Container Num:	UL #49172
Year Installed:	1979
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor

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38 **CHEVRON** **LUST** **S106447502**
West **700 IMPERIAL** **N/A**
1/4-1/2 **BREA, CA 92621**
0.279 mi.
1475 ft.

Relative:
Higher

Actual:
356 ft.

LUST:

Region:	STATE
Global Id:	T0605900896
Latitude:	33.9138859
Longitude:	-117.8939625
Case Type:	LUST Cleanup Site
Status:	Open - Assessment & Interim Remedial Action
Status Date:	09/17/2013
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	JW
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083001136T
LOC Case Number:	90UT242
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

DRAFT

CHEVRON (Continued) **S106447502**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605900896
Contact Type:	Regional Board Caseworker
Contact Name:	TOM E. MBEKE-EKANEM
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	tmbeke-ekanem@waterboards.ca.gov
Phone Number:	9513202007

Global Id:	T0605900896
Contact Type:	Local Agency Caseworker
Contact Name:	JULIE WOZENCRAFT
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	jwozencraft@ochca.com
Phone Number:	7144336252

Status History:

Global Id:	T0605900896
Status:	Open - Site Assessment
Status Date:	06/04/2009

Global Id:	T0605900896
Status:	Open - Case Begin Date
Status Date:	10/26/1990

Global Id:	T0605900896
Status:	Open - Verification Monitoring
Status Date:	06/11/2004

Global Id:	T0605900896
Status:	Open - Verification Monitoring
Status Date:	09/03/2013

Global Id:	T0605900896
Status:	Open - Eligible for Closure
Status Date:	11/27/2012

Global Id:	T0605900896
Status:	Open - Eligible for Closure
Status Date:	09/17/2013

Global Id:	T0605900896
Status:	Open - Assessment & Interim Remedial Action
Status Date:	09/17/2013

Global Id:	T0605900896
Status:	Open - Remediation
Status Date:	09/01/1995

Regulatory Activities:

Global Id:	T0605900896

DRAFT

CHEVRON (Continued) **S106447502**

Action Type:	RESPONSE
Date:	05/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0605900896
Action Type:	RESPONSE
Date:	07/27/2007
Action:	CAP/RAP - Feasibility Study Report
Global Id:	T0605900896
Action Type:	RESPONSE
Date:	04/30/2007
Action:	Soil and Water Investigation Report
Global Id:	T0605900896
Action Type:	RESPONSE
Date:	03/11/2014
Action:	Well Installation Workplan - Regulator Responded
Global Id:	T0605900896
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0605900896
Action Type:	ENFORCEMENT
Date:	09/08/2010
Action:	File review
Global Id:	T0605900896
Action Type:	ENFORCEMENT
Date:	11/19/2010
Action:	File review
Global Id:	T0605900896
Action Type:	ENFORCEMENT
Date:	05/23/2011
Action:	File review
Global Id:	T0605900896
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation
Global Id:	T0605900896
Action Type:	ENFORCEMENT
Date:	03/04/2009
Action:	Staff Letter
Global Id:	T0605900896
Action Type:	ENFORCEMENT
Date:	02/17/2011
Action:	Staff Letter
Global Id:	T0605900896
Action Type:	ENFORCEMENT
Date:	06/01/2011

DRAFT

CHEVRON (Continued) **S106447502**

Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 06/20/2003
Action: * No Action

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 03/12/2007
Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 06/20/2007
Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 11/16/2006
Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 02/06/2007
Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 11/08/2006
Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 12/29/2009
Action: Staff Letter

Global Id: T0605900896
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 02/13/2014
Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 04/04/2009
Action: Staff Letter

DRAFT

CHEVRON (Continued) **S106447502**

Global Id: T0605900896
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 90UT242
Current Status: Post Remedial Action
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: Not reported
Case Type: Other Ground Water
Record ID: RO0002736

LUST REG 8:
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Post remedial action monitoring
Case Number: 083001136T
Local Case Num: 90UT242
Case Type: Other ground water affected
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: None Taken
Funding: Not reported
How Discovered: Tank Closure
How Stopped: New Tank
Leak Cause: Unknown
Leak Source: Unknown
Global ID: T0605900896
How Stopped Date: 10/26/1990
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: 10/26/1990
Enforcement Date: Not reported
Close Date: Not reported
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: 9/1/1995
Date Post Remedial Action Monitoring: 6/11/2004
Enter Date: Not reported
GW Qualifies: =
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.9138859
Longitude: -117.8939625
MTBE Date: 9/3/2003

DRAFT

CHEVRON (Continued) **S106447502**

Max MTBE GW:	6500
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	TME
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

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39 **CITY OF BREA** **LUST** **S105032950**
NE **1 CIVIC CENTER** **N/A**
1/4-1/2 **BREA, CA 92621**
0.287 mi.
1518 ft.

Relative:
Higher

Actual:
362 ft.

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000772T
Local Case Num:	87UT262
Case Type:	Other ground water affected
Substance:	Diesel
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900611
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	12/22/1987
Enforcement Date:	Not reported
Close Date:	7/31/1991
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported

DRAFT

CITY OF BREA (Continued) **S105032950**

Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9175309
Longitude:	-117.8867663
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	RS
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

H40 **FULLERTON LINCOLN MERCURY** **LUST** **S109284385**
SSW **1150 E ELM ST** **N/A**
1/4-1/2 **FULLERTON, CA 92631**
0.356 mi.
1879 ft. **Site 1 of 2 in cluster H**

Relative:
Higher

Actual:
331 ft.

LUST:

Region:	STATE
Global Id:	T0605901701
Latitude:	33.8790596
Longitude:	-117.8928387
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/25/1999
Lead Agency:	FULLERTON, CITY OF
Case Worker:	SRL
Local Agency:	FULLERTON, CITY OF
RB Case Number:	083002360T
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605901701
Contact Type:	Local Agency Caseworker
Contact Name:	STEPHEN LONG
Organization Name:	FULLERTON, CITY OF
Address:	312 E. COMMONWEALTH AVE.
City:	FULLERTON
Email:	stevel@fullertonfire.org
Phone Number:	7147383160

DRAFT

FULLERTON LINCOLN MERCURY (Continued) **S109284385**

Global Id:	T0605901701
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0605901701
Status:	Completed - Case Closed
Status Date:	03/25/1999

Global Id:	T0605901701
Status:	Open - Case Begin Date
Status Date:	08/31/1993

Regulatory Activities:

Global Id:	T0605901701
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0605901701
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

Global Id:	T0605901701
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

H41 **S AND H RUBBER, INC.** **HIST CORTESE** **S105023860**
SSW **1133/1137 ELM ST** **LUST** **N/A**
1/4-1/2 **FULLERTON, CA 92631**
0.357 mi.
1887 ft. **Site 2 of 2 in cluster H**

Relative:
Lower

Actual:
330 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083001118T

LUST:

Region:	STATE
Global Id:	T0605900881
Latitude:	33.8790596
Longitude:	-117.8928387
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/30/1991
Lead Agency:	FULLERTON, CITY OF

DRAFT

S AND H RUBBER, INC. (Continued) **S105023860**

Case Worker:	SRL
Local Agency:	FULLERTON, CITY OF
RB Case Number:	083001118T
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605900881
Contact Type:	Local Agency Caseworker
Contact Name:	STEPHEN LONG
Organization Name:	FULLERTON, CITY OF
Address:	312 E. COMMONWEALTH AVE.
City:	FULLERTON
Email:	stevel@fullertonfire.org
Phone Number:	7147383160

Global Id:	T0605900881
Contact Type:	Regional Board Caseworker
Contact Name:	PATRICIA HANNON
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	phannon@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0605900881
Status:	Open - Site Assessment
Status Date:	01/04/1989

Global Id:	T0605900881
Status:	Completed - Case Closed
Status Date:	10/30/1991

Global Id:	T0605900881
Status:	Open - Case Begin Date
Status Date:	08/25/1988

Regulatory Activities:

Global Id:	T0605900881
Action Type:	ENFORCEMENT
Date:	10/30/1991
Action:	Closure/No Further Action Letter

Global Id:	T0605900881
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0605900881
Action Type:	Other
Date:	01/01/1950

DRAFT

S AND H RUBBER, INC. (Continued) **S105023860**

Action: Leak Reported

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083001118T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Waste Oil
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	PACIFIC
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Global ID:	T0605900881
How Stopped Date:	Not reported
Enter Date:	1/4/1989
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	8/25/1988
Enforcement Date:	Not reported
Close Date:	10/30/1991
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	1/4/1989
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	1/4/1989
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.8790596
Longitude:	-117.8928387
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	PAH
Staff Initials:	SRL
Lead Agency:	Local Agency
Local Agency:	30013
Hydr Basin #:	COASTAL PLAIN OF ORA
Beneficial:	Not reported
Priority:	Not reported

DRAFT

S AND H RUBBER, INC. (Continued) **S105023860**

Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

42
ESE
1/4-1/2
0.467 mi.
2464 ft.

Relative:
Lower

Actual:
322 ft.

MOBIL #18-793 **LUST S103866491**
2800 E IMPERIAL HWY **WDS N/A**
FULLERTON, CA 92631

LUST:

Region:	STATE
Global Id:	T0605901602
Latitude:	33.910623
Longitude:	-117.880753
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/05/2013
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Worker:	RS
Local Agency:	FULLERTON, CITY OF
RB Case Number:	083002163T
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	See Closure Letter Attachment

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605901602
Contact Type:	Regional Board Caseworker
Contact Name:	ROSE SCOTT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	rscott@waterboards.ca.gov
Phone Number:	9513206375

Global Id:	T0605901602
Contact Type:	Local Agency Caseworker
Contact Name:	STEPHEN LONG
Organization Name:	FULLERTON, CITY OF
Address:	312 E. COMMONWEALTH AVE.
City:	FULLERTON
Email:	stevel@fullertonfire.org
Phone Number:	7147383160

Status History:

Global Id:	T0605901602
Status:	Open - Remediation
Status Date:	07/26/2002

Global Id:	T0605901602
Status:	Open - Remediation
Status Date:	10/15/2002

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Global Id: T0605901602
Status: Open - Remediation
Status Date: 01/15/2003

Global Id: T0605901602
Status: Open - Site Assessment
Status Date: 11/29/2004

Global Id: T0605901602
Status: Open - Verification Monitoring
Status Date: 10/31/2006

Global Id: T0605901602
Status: Open - Eligible for Closure
Status Date: 09/25/2012

Global Id: T0605901602
Status: Open - Remediation
Status Date: 07/31/2006

Global Id: T0605901602
Status: Open - Remediation
Status Date: 10/30/2006

Global Id: T0605901602
Status: Open - Site Assessment
Status Date: 03/24/1993

Global Id: T0605901602
Status: Open - Case Begin Date
Status Date: 08/20/1992

Global Id: T0605901602
Status: Completed - Case Closed
Status Date: 06/05/2013

Global Id: T0605901602
Status: Open - Site Assessment
Status Date: 05/22/1995

Global Id: T0605901602
Status: Open - Remediation
Status Date: 10/15/1998

Global Id: T0605901602
Status: Open - Remediation
Status Date: 01/01/1999

Regulatory Activities:
Global Id: T0605901602
Action Type: RESPONSE
Date: 04/29/2005
Action: Soil and Water Investigation Report

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 03/07/2003

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Action: Site Visit / Inspection / Sampling

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 12/31/2007
Action: Staff Letter

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 03/18/2005
Action: * Verbal Communication

Global Id: T0605901602
Action Type: RESPONSE
Date: 10/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 01/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 08/01/2005
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 07/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 04/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0605901602
Action Type: RESPONSE
Date: 12/12/2008
Action: Other Report / Document

Global Id: T0605901602
Action Type: RESPONSE
Date: 07/31/2006
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 08/10/2011
Action: Meeting

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Global Id: T0605901602
Action Type: RESPONSE
Date: 04/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 07/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 10/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 08/24/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 08/27/2004
Action: Staff Letter

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 07/28/2004
Action: Staff Letter

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 04/09/2003
Action: Site Visit / Inspection / Sampling

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 06/18/2001
Action: Staff Letter

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 04/09/2003
Action: * Verbal Communication

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 07/28/2009
Action: Staff Letter

Global Id: T0605901602
Action Type: RESPONSE
Date: 10/31/2006
Action: Remedial Progress Report

Global Id: T0605901602
Action Type: RESPONSE

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Date: 07/31/2006
Action: Remedial Progress Report

Global Id: T0605901602
Action Type: RESPONSE
Date: 01/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 10/31/2006
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 05/13/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 08/16/2007
Action: Staff Letter

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 07/30/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 02/14/2012
Action: File Review - Closure

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 08/05/2005
Action: * No Action

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 12/17/2012
Action: Notification - Preclosure

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 02/06/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 12/10/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901602
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Global Id:	T0605901602
Action Type:	RESPONSE
Date:	01/30/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0605901602
Action Type:	RESPONSE
Date:	04/30/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0605901602
Action Type:	RESPONSE
Date:	09/30/2001
Action:	Electronic Reporting Submittal Due
Global Id:	T0605901602
Action Type:	RESPONSE
Date:	07/30/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0605901602
Action Type:	RESPONSE
Date:	10/30/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0605901602
Action Type:	RESPONSE
Date:	01/30/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0605901602
Action Type:	ENFORCEMENT
Date:	11/17/2006
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605901602
Action Type:	ENFORCEMENT
Date:	11/21/2006
Action:	Staff Letter
Global Id:	T0605901602
Action Type:	RESPONSE
Date:	07/30/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0605901602
Action Type:	RESPONSE
Date:	04/30/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0605901602
Action Type:	ENFORCEMENT
Date:	12/17/2012
Action:	Staff Letter
Global Id:	T0605901602
Action Type:	ENFORCEMENT

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Date: 06/05/2013
Action: Closure/No Further Action Letter

Global Id: T0605901602
Action Type: REMEDIATION
Date: 01/01/1950
Action: Free Product Removal

Global Id: T0605901602
Action Type: REMEDIATION
Date: 01/01/1950
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605901602
Action Type: REMEDIATION
Date: 01/01/1950
Action: Soil Vapor Extraction (SVE)

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 11/03/2005
Action: * No Action

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 12/16/2004
Action: Staff Letter

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 03/24/2005
Action: Meeting

Global Id: T0605901602
Action Type: RESPONSE
Date: 02/09/2007
Action: Other Workplan

Global Id: T0605901602
Action Type: RESPONSE
Date: 10/31/2005
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 12/14/2004
Action: Soil and Water Investigation Workplan

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 06/07/2005
Action: * No Action

Global Id: T0605901602
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 10/07/2010
Action: File review

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 10/09/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901602
Action Type: Other
Date: 01/01/1950
Action: Leak Began

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 10/29/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901602
Action Type: RESPONSE
Date: 12/17/2013
Action: Well Destruction Report

Global Id: T0605901602
Action Type: RESPONSE
Date: 12/17/2013
Action: Well Destruction Report

Global Id: T0605901602
Action Type: RESPONSE
Date: 01/30/2003
Action: Remedial Progress Report

Global Id: T0605901602
Action Type: RESPONSE
Date: 10/30/2002
Action: Remedial Progress Report

Global Id: T0605901602
Action Type: RESPONSE
Date: 07/30/2002
Action: Remedial Progress Report

CA WDS:
Facility ID: Santa Ana River 303184001
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAG918001 The 1st 2 characters designate the state. The remaining 7

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MOBIL #18-793 (Continued) **S103866491**

	are assigned by the Regional Board
Subregion:	8
Facility Telephone:	Not reported
Facility Contact:	JOHN MEDRANO
Agency Name:	EXXON MOBIL REFINING & SUPPLY
Agency Address:	3700 W 190TH STREET
Agency City,St,Zip:	TORRANCE 90509
Agency Contact:	JOHN MEDRANO
Agency Telephone:	3102121870
Agency Type:	Private
SIC Code:	5541
SIC Code 2:	Not reported
Primary Waste Type:	Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Primary Waste:	CNWTRS
Waste Type2:	Not reported
Waste2:	Contaminated Ground Water
Primary Waste Type:	Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

43
NNW
1/2-1
0.667 mi.
3522 ft.

Relative:
Higher

Actual:
384 ft.

CIRTECH BREA
351 THOR PL
BREA, CA 92821

RCRA-SQG **1000139764**
CA FID UST **CAD054835913**
HIST UST
HAZNET
EMI
ENVIROSTOR
WDS

RCRA-SQG:

Date form received by agency:	07/08/2002
Facility name:	CIRTECH BREA
Facility address:	351 THOR PL BREA, CA 92821
EPA ID:	CAD054835913
Contact:	JUAN MARTINEZ
Contact address:	351 THOR PL BREA, CA 92821
Contact country:	US
Contact telephone:	(714) 582-0070
Contact email:	Not reported

DRAFT

CIRTECH BREA (Continued) **1000139764**

EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: BRAD REESE
Owner/operator address: 351 THOR PL
BREA, CA 92821
Owner/operator country: Not reported
Owner/operator telephone: (714) 582-0070
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 07/08/2002
Site name: CIRTECH BREA
Classification: Large Quantity Generator

Date form received by agency: 02/28/2002
Site name: TRI-STAR ENGINEERED PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 03/31/2000
Site name: TRI STAR ENGINEERED PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: CIRTECH BREA
Classification: Large Quantity Generator

Date form received by agency: 03/30/1996
Site name: TRI-STAR ENGINEERED PRODUCTS

DRAFT

CIRTECH BREA (Continued) **1000139764**

Classification: Large Quantity Generator

Date form received by agency: 03/23/1994
Site name: TRI-STAR ENGINEERED PROD
Classification: Large Quantity Generator

Date form received by agency: 03/13/1992
Site name: TRI-STAR ENGINEERED PRODUCTS I
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 05/12/1992
Date achieved compliance: 04/14/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/14/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 05/12/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/14/1994
Evaluation lead agency: State Contractor/Grantee

CA FID UST:
Facility ID: 30000019
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146711545
Mail To: Not reported
Mailing Address: 351 THOR PL
Mailing Address 2: Not reported
Mailing City,St,Zip: BREA 92621
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

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CIRTECH BREA (Continued) **1000139764**

HIST UST:

Region:	STATE
Facility ID:	00000058833
Facility Type:	Other
Other Type:	PRINTED CIRCUIT BD.
Total Tanks:	0002
Contact Name:	JAMES NATZKE
Telephone:	7146711545
Owner Name:	TRI-STAR ENGINEERED PRODUCTS I
Owner Address:	351 THOR PLACE
Owner City,St,Zip:	BREA, CA 92621
Tank Num:	001
Container Num:	1
Year Installed:	1981
Tank Capacity:	00001200
Tank Used for:	WASTE
Type of Fuel:	Not reported
Tank Construction:	4 inches
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	06
Tank Construction:	Not reported
Leak Detection:	None

HAZNET:

Year:	2003
Gepaid:	CAD054835913
Contact:	JUAN MARTINEZ ENVT'L MANAGER
Telephone:	7145820070
Mailing Name:	Not reported
Mailing Address:	351 THOR PL
Mailing City,St,Zip:	BREA, CA 928214133
Gen County:	Not reported
TSD EPA ID:	AZT050010685
TSD County:	Not reported
Waste Category:	Aqueous solution (2 < pH < 12.5) containing reactive anions ...
Disposal Method:	Recycler
Tons:	0.06
Facility County:	Orange
Year:	2003
Gepaid:	CAD054835913
Contact:	JUAN MARTINEZ ENVT'L MANAGER
Telephone:	7145820070
Mailing Name:	Not reported
Mailing Address:	351 THOR PL
Mailing City,St,Zip:	BREA, CA 928214133
Gen County:	Not reported
TSD EPA ID:	CAD097030993
TSD County:	Not reported

DRAFT

CIRTECH BREA (Continued) **1000139764**

Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Tons: 0.84
Facility County: Orange

Year: 2003
Gepaid: CAD054835913
Contact: JUAN MARTINEZ ENVT'L MANAGER
Telephone: 7145820070
Mailing Name: Not reported
Mailing Address: 351 THOR PL
Mailing City,St,Zip: BREA, CA 928214133
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Tons: 0.84
Facility County: Orange

Year: 2003
Gepaid: CAD054835913
Contact: JUAN MARTINEZ ENVT'L MANAGER
Telephone: 7145820070
Mailing Name: Not reported
Mailing Address: 351 THOR PL
Mailing City,St,Zip: BREA, CA 928214133
Gen County: Not reported
TSD EPA ID: AZT050010685
TSD County: Not reported
Waste Category: Aqueous solution (2 < pH < 12.5) containing reactive anions ...
Disposal Method: Recycler
Tons: 0.06
Facility County: Orange

Year: 2002
Gepaid: CAD054835913
Contact: JUAN MARTINEZ ENVT'L MANAGER
Telephone: 7145820070
Mailing Name: Not reported
Mailing Address: 351 THOR PL
Mailing City,St,Zip: BREA, CA 928214133
Gen County: Not reported
TSD EPA ID: AZT050010685
TSD County: Not reported
Waste Category: Aqueous solution (2 < pH < 12.5) containing reactive anions ...
Disposal Method: Recycler
Tons: 1.14
Facility County: Orange

Click this hyperlink while viewing on your computer to access
51 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:
Year: 1987
County Code: 30
Air Basin: SC

DRAFT

CIRTECH BREA (Continued) **1000139764**

Facility ID:	45162
Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1990
County Code:	30
Air Basin:	SC
Facility ID:	45162
Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

ENVIROSTOR:

Facility ID:	71002460
Status:	Inactive - Needs Evaluation
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Cypress
Assembly:	55
Senate:	29
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92322
Longitude:	-117.8917
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED

DRAFT

CIRTECH BREA (Continued) **1000139764**

Potential Description: NONE SPECIFIED
Alias Name: CAD054835913
Alias Type: EPA Identification Number
Alias Name: 71002460
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CA WDS:
Facility ID: Santa Ana River 30I017328
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 8
Facility Telephone: 7145820070
Facility Contact: JIM NATZKE
Agency Name: REESE BRAD
Agency Address: 250 E EMERSON
Agency City,St,Zip: ORANGE 92865
Agency Contact: JUAN MARTINEZ
Agency Telephone: 7149210860
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported

DRAFT

CIRTECH BREA (Continued) **1000139764**

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

44
NNW
1/2-1
0.717 mi.
3788 ft.

Relative:
Higher

Actual:
380 ft.

300 EAST CYPRESS STREET
BREA, CA 92821

CERC-NFRAP **1000270392**
RCRA-SQG **CAD008255168**
ICIS
FINDS
ENVIROSTOR
US AIRS

CERC-NFRAP:
Site ID: 0903497
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13285452.00000
Person ID: 13003854.00000

Contact Sequence ID: 13291047.00000
Person ID: 13003858.00000

Contact Sequence ID: 13296905.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 12/01/87
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 11/23/88
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 11/23/88
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

RCRA-SQG:
Date form received by agency: 04/11/1983
Facility name: KIRKHILL RUBBER CO
Facility address: 300 CYPRESS ST

DRAFT

(Continued) **1000270392**

BREA, CA 92821
EPA ID: CAD008255168
Mailing address: 300 E CYPRESS AVE
BREA, CA 92621
Contact: ALFRED LAROCHELLE
Contact address: 300 E CYPRESS AVE
BREA, CA 92621
Contact country: US
Contact telephone: (714) 529-4901
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

DRAFT

(Continued) **1000270392**

Violation Status: No violations found

ICIS:

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: AIRS/AFS 0605900112
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: BR CAD981449614
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: FRS 110000479768
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: HWTS-DATAMART CAD981449614
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: NCDB C09#09-89131-01-WR

DRAFT

(Continued) **1000270392**

Action Name:	KIRKHILL RUBBER COMPANY
Full Address:	300 EAST CYPRESS STREET BREA CA 92821-4097
State:	California
Facility Name:	KIRKHILL RUBBER CO
Facility Address:	300 EAST CYPRESS STREET BREA, CA 92821-4097
Enforcement Action Type:	EPCRA 325 Action For Penalty
Facility County:	ORANGE
EPA Region #:	9
Enforcement Action ID:	09-1999-0099
FRS ID:	110000479768
Program ID:	NCDB D09#EPCRA09-99-0024
Action Name:	KIRKHILL RUBBER COMPANY
Full Address:	300 EAST CYPRESS STREET BREA CA 92821-4097
State:	California
Facility Name:	KIRKHILL RUBBER CO
Facility Address:	300 EAST CYPRESS STREET BREA, CA 92821-4097
Enforcement Action Type:	EPCRA 325 Action For Penalty
Facility County:	ORANGE
EPA Region #:	9
Enforcement Action ID:	09-1999-0099
FRS ID:	110000479768
Program ID:	OSHA-IMIS 141132
Action Name:	KIRKHILL RUBBER COMPANY
Full Address:	300 EAST CYPRESS STREET BREA CA 92821-4097
State:	California
Facility Name:	Not reported
Facility Address:	300 EAST CYPRESS STREET BREA, CA 92821-4097
Enforcement Action Type:	EPCRA 325 Action For Penalty
Facility County:	ORANGE
EPA Region #:	9
Enforcement Action ID:	09-1999-0099
FRS ID:	110000479768
Program ID:	RCRAINFO CAD008255168
Action Name:	KIRKHILL RUBBER COMPANY
Full Address:	300 EAST CYPRESS STREET BREA CA 92821-4097
State:	California
Facility Name:	KIRKHILL RUBBER CO
Facility Address:	300 EAST CYPRESS STREET BREA, CA 92821-4097
Enforcement Action Type:	EPCRA 325 Action For Penalty
Facility County:	ORANGE
EPA Region #:	9
Enforcement Action ID:	09-1999-0099
FRS ID:	110000479768
Program ID:	RCRAINFO CAD981449614
Action Name:	KIRKHILL RUBBER COMPANY
Full Address:	300 EAST CYPRESS STREET BREA CA 92821-4097
State:	California
Facility Name:	KIRKHILL RUBBER CO
Facility Address:	300 EAST CYPRESS STREET

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(Continued) **1000270392**

BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: TRIS 92621KRKHL300EC
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: NCDB I09#19890405CA001 1
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER COMPANY
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: NCDB I09#199812229ST04 1
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER COMPANY
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: NEI NEI22123
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: Not reported
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

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(Continued) **1000270392**

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: NEI NTI22123
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Program ID: AIRS/AFS 0605900112
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: BR CAD981449614
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: FRS 110000479768
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: HWTS-DATAMART CAD981449614
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: NCDB C09#09-89131-01-WR
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: NCDB D09#EPCRA09-99-0024
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET

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(Continued) **1000270392**

Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: NCDB I09#19890405CA001 1
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: NCDB I09#199812229ST04 1
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: NEI NEI22123
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: NEI NTI22123
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: OSHA-IMIS 141132
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: RCRAINFO CAD008255168
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: RCRAINFO CAD981449614
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N

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(Continued) **1000270392**

Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: TRIS 92621KRKHL300EC
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

FINDS:

Registry ID: 110000479768

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

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(Continued) **1000270392**

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

ENVIROSTOR:

Facility ID:	30300043
Status:	Refer: RCRA
Status Date:	09/27/1988
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	55
Senate:	29
Special Program:	* CERC2
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92194
Longitude:	-117.8941
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* OIL/WATER SEPARATION SLUDGE * OXYGENATED SOLVENTS Asbestos Containing Materials (ACM * UNSPECIFIED AQUEOUS SOLUTION
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD008255168
Alias Type:	EPA Identification Number
Alias Name:	30300043
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	08/15/1981
Comments:	FACILITY IDENTIFIED PHONEBOOK SEARCH (1956,1961)
Completed Area Name:	PROJECT WIDE

DRAFT

(Continued) **1000270392**

Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 09/27/1988
Comments: SITE SCREENING DONE RCRA REGULATED FACILITY, THEREFORE, PENDING STATUS GENERATOR

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/05/1988
Comments: SELF MONITORING FACILITY MONITORS EFFLUENT DISCHARGE TO NEARBY STORM DRAIN, NPDES PERMIT NO. 0105520, RWQCB SANTA ANA PRELIM ASSESS DONE MEDIUM PRIORITY FOR A SITE INSPECTION BASED ON HISTORICAL DISCHARGES TO THE SOIL SURFACE.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/28/1987
Comments: SITE SCREENING DONE MORE INFO NEEDED MANUFACTURES SYNTHETIC RUBBER.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AIRS (AFS):

Compliance and Violation Data Major Sources:
EPA plant ID: 110000479768
Plant name: KIRKHILL - TA COMPANY
Plant address: 300 E CYPRESS ST
BREA, CA 92821
County: ORANGE
Region code: 09
Dunn & Bradst #: 008255168
Air quality cntrl region: 024
Sic code: 3069
Sic code desc: FABRICATED RUBBER PRODUCTS, NEC
North Am. industrial classf: 326299
NAIC code description: All Other Rubber Product Manufacturing
Default compliance status: IN COMPLIANCE - INSPECTION
Default classification: ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV: Not reported

Compliance and Enforcement Major Issues:
Air program: TITLE V PERMITS
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER

DRAFT

(Continued) **1000270392**

Date achieved: 000620
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 010803
Penalty amount: 000000000

Air program: NESHAP
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 010803
Penalty amount: 000000000

Air program: TITLE V PERMITS
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 010803
Penalty amount: 000000000

Air program: NESHAP
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 011114
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 011114
Penalty amount: 000000000

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 011114
Penalty amount: 000000000

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION EPA REVIEW
Date achieved: 020102
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION EPA REVIEW
Date achieved: 020924
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 030117
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 030117
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 030306
Penalty amount: Not reported

DRAFT

(Continued) **1000270392**

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 030528
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 030604
Penalty amount: 000000250

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 030721
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 030721
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 030721
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 030721
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 030805
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 040312
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 040312
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 040817
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 040817
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE

DRAFT

(Continued) **1000270392**

Date achieved: 040826
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 040826
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 040826
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 040826
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 050827
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 050830
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 050830
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 050908
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 050908
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 050908
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 050908
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 060315
Penalty amount: Not reported

DRAFT

(Continued) **1000270392**

Air program: NESHAP
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 060315
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 060315
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 060628
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 060628
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060802
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 060802
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 060802
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060802
Penalty amount: Not reported

Air program: NESHAP
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 060802
Penalty amount: Not reported

Air program: NESHAP
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060802
Penalty amount: Not reported

Air program: NESHAP
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 060802
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW

DRAFT

(Continued) **1000270392**

Date achieved: 060802
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 060802
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 060906
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 070503
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 070503
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070503
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070503
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 070731
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 070731
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 070810
Penalty amount: 000003750

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 070810
Penalty amount: 000003750

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 070827
Penalty amount: Not reported

DRAFT

(Continued) **1000270392**

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 070827
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 070827
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 070827
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 070906
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 071228
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 071228
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080507
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080507
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 080516
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 080516
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 080620
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0

DRAFT

(Continued) **1000270392**

Date achieved: 080620
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 080626
Penalty amount: 000002500

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 080626
Penalty amount: 000002500

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 080805
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 080805
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 080805
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 080805
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 080818
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 081010
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 081010
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090127
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090127
Penalty amount: Not reported

DRAFT

(Continued) **1000270392**

Air program: SIP SOURCE
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 090708
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 090708
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 090803
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 090803
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 090807
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 090820
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 090820
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 090820
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 090820
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100513
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100513
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY

DRAFT

(Continued) **1000270392**

Date achieved: 100820
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 100820
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 100831
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 100916
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 100916
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 101115
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 101115
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110407
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110407
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 110725
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 110725
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 111011
Penalty amount: Not reported

DRAFT

(Continued) **1000270392**

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 111011
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 111011
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 111011
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 120613
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 120613
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120725
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120725
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 120823
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 120823
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 121030
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 121030
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE

DRAFT

(Continued) **1000270392**

Date achieved: 121031
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 121031
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 121031
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 121031
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 130604
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 130604
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE SV REPORTED AS ADDRESSED
Date achieved: 970822
Penalty amount: 000000000

Air program: NESHAP
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 971021
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 971021
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 980109
Penalty amount: 000000500

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 980109
Penalty amount: 000000000

Historical Compliance Minor Sources:
State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: SIP SOURCE

DRAFT

(Continued) **1000270392**

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: NESHAP

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: NESHAP

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104
Air prog code hist file: NESHAP

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: NESHAP

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: NESHAP

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION

DRAFT

(Continued) **1000270392**

Hist compliance date: 1203
Air prog code hist file: NESHAP

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1204
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1204
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1301
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1301
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1302
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1302
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1303
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1303
Air prog code hist file: NESHAP

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: NESHAP

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: NESHAP

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104

DRAFT

(Continued) **1000270392**

Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1204
Air prog code hist file: NESHAP

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1301
Air prog code hist file: NESHAP

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1302
Air prog code hist file: NESHAP

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1303
Air prog code hist file: TITLE V PERMITS

Permit Information:
Compliance plant ID: 00112
Permit number: 1744
Permit category: V
Permit category desc: TITLE V PERMIT - PLANT SP

Permit Source:
Compliance plant ID: 00112
Plant name: KIRKHILL - TA COMPANY
Plant address: 300 E CYPRESS ST
BREA, CA 92821

Event Information:
Compliance permit ID: 00112
Permit number: 1744
Event action type: IF
Event description: *PERMIT AUTHORITY ISSUES FINAL PERMIT
Event action #: 001
Event date: 20000509

DRAFT

I45 **GORDONS AUTO REPAIR** **ENVIROSTOR** **1000191229**
NNW **318 NORTH ORANGE** **N/A**
1/2-1 **BREA, CA 92621**
0.753 mi.
3977 ft. **Site 1 of 2 in cluster I**

Relative:
Higher

Actual:
385 ft.

ENVIROSTOR:

Facility ID:	30750014
Status:	No Further Action
Status Date:	03/21/1988
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	55
Senate:	29
Special Program:	* CERC2
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92392
Longitude:	-117.8945
APN:	NONE SPECIFIED
Past Use:	VEHICLE MAINTENANCE
Potential COC:	Lead TPH-MOTOR OIL Aluminum Barium and compounds Cadmium and compounds Nickel
Confirmed COC:	30047-NO 30067-NO 30108-NO 30407-NO 30013-NO 3002502-NO
Potential Description:	SOIL
Alias Name:	30750014
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	03/10/1982
Comments:	FACILITY IDENTIFIED ID'D DURING DRIVEBY.ACTIVE SITE
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	10/28/1994
Comments:	DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	03/21/1988
Comments:	CITY OF BREA WTR DIV: 2 RESERVOIRS NEAR FACILITY. PRELIM ASSESS DONE NFA BASED ON AVAILABLE INFO
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening

DRAFT

GORDONS AUTO REPAIR (Continued) **1000191229**

Completed Date: 11/26/1986
Comments: SITE SCREENING DONE RATIONALE FOR PA: NEED ADDITIONAL INFO.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

I46 **MCGRAW, JAS E & SONS** **ENVIROSTOR** **S101481444**
NNW **320 NORTH ORANGE** **N/A**
1/2-1 **BREA, CA 92621**
0.755 mi.
3987 ft. **Site 2 of 2 in cluster I**

Relative:
Higher

Actual:
385 ft.

ENVIROSTOR:
Facility ID: 30330016
Status: No Further Action
Status Date: 03/21/1988
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 55
Senate: 29
Special Program: * CERC2
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.91521
Longitude: -117.8993
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HOUSEHOLD WASTES * CONTAMINATED SOIL * OTHER INORGANIC SOLID WASTE * OTHER PESTICIDE CONTAINERS, 30 GALLONS OR MORE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 30330016
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/28/1994
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE

DRAFT

MCGRAW, JAS E & SONS (Continued) **S101481444**

Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	03/21/1988
Comments:	CITY OF BREA WTR DIVISION: 2 RESERVOIRS LOCATED NEAR FACILITY PRELIM ASSESS DONE NFA: BASED ON AVAILABLE INFO AND HISTORICAL RECORDS, SITE DOES NOT APPEAR TO POSE A HLTH OR ENVR THREAT
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	12/18/1986
Comments:	GROUND PHOTOS PHOTOS SHOW WASTE ON THE SITE. DRIVE-BY REQUIRED SITE SCREENING DONE RATIONALE FOR PA: NEED ADDITIONAL INFO.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	03/10/1982
Comments:	FACILITY IDENTIFIED DURING DRIVEBY IN AREA FACILITY DRIVE-BY POOR HOUSEKEEPING. RUSTY 55-GAL. DRUMS. BLACK & WHITE POWDER SPILLED ON GROUND. YARD ADJ TO PROPERTY CONTAINS 55-GAL. DRUMS.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

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47 **BRISTOL INDUSTRIES** **NPDES S108542895**
NNE **630 E. LAMBERT ROAD** **SLIC N/A**
1/2-1 **BREA, CA 92621** **Orange Co. Industrial Site**
0.799 mi. **ENVIROSTOR**
4217 ft.

Relative:
Higher

Actual:
409 ft.

NPDES:

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	8
Regulatory Measure Id:	208254
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	8 30I002167
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/30/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Bristol Industries
Discharge Address:	630 E Lambert Rd
Discharge City:	Brea
Discharge State:	California
Discharge Zip:	92821

DRAFT

BRISTOL INDUSTRIES (Continued) **S108542895**

SLIC REG 8:
- Type: Soil and Groundwater
- Facility Status: Closed
- Staff: Kamron Saremi, Tel 909-782-4303, SLIC
- Substance: SOLVENT
- Lead Agency: Regional Board
- Location Code: BR-9
- Thomas Bros Code: 709-A6

Orange Co. Industrial Site:
- Case ID: 92IC020
- Region: ORANGE
- Record ID: RO0000366
- Current Status: CLOSED 8/29/2001
- Closure Type: Closure certification issued
- Released Chemical: HEAVY METAL WASTE - NON-PLATING

ENVIROSTOR:
- Facility ID: 71002534
- Status: Inactive - Needs Evaluation
- Status Date: 09/14/2011
- Site Code: Not reported
- Site Type: Evaluation
- Site Type Detailed: Evaluation
- Acres: 0
- NPL: NO
- Regulatory Agencies: NONE SPECIFIED
- Lead Agency: NONE SPECIFIED
- Program Manager: Not reported
- Supervisor: * Greg Holmes
- Division Branch: Cleanup Cypress
- Assembly: 55
- Senate: 29
- Special Program: EPA - PASI
- Restricted Use: NO
- Site Mgmt Req: NONE SPECIFIED
- Funding: EPA Grant
- Latitude: 33.92339
- Longitude: -117.8861
- APN: NONE SPECIFIED
- Past Use: NONE SPECIFIED
- Potential COC: NONE SPECIFIED
- Confirmed COC: NONE SPECIFIED
- Potential Description: NONE SPECIFIED
- Alias Name: CAD067615435
- Alias Type: EPA Identification Number
- Alias Name: 110000844418
- Alias Type: EPA (FRS #)
- Alias Name: 71002534
- Alias Type: Envirostor ID Number

Completed Info:
- Completed Area Name: Not reported
- Completed Sub Area Name: Not reported
- Completed Document Type: Not reported
- Completed Date: Not reported

DRAFT

BRISTOL INDUSTRIES (Continued) **S108542895**

Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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48 THOMPSON DRILL SITE **Orange Co. Industrial Site S106116034**
WNW 16500 BIRCH ST **ENVIROSTOR N/A**
1/2-1 BREA, CA 92821
0.819 mi.
4326 ft.

Relative: Higher

Actual: 366 ft.

Orange Co. Industrial Site:
Case ID: 00IC016
Region: ORANGE
Record ID: RO0000009
Current Status: OPEN
Closure Type: Not reported
Released Chemical: WASTE (OR SLOP) OIL FUEL WASTE ORGANIC COMPOUNDS

ENVIROSTOR:
Facility ID: 30130189
Status: Refer: 1248 Local Agency
Status Date: 08/02/2000
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: ORANGE COUNTY
Lead Agency: ORANGE COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 55
Senate: 29
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.91921
Longitude: -117.9018
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 30130189
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE

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THOMPSON DRILL SITE (Continued) **S106116034**

Completed Sub Area Name:	Not reported
Completed Document Type:	SB 1248 Notification
Completed Date:	08/02/2000
Comments:	DTSC is not involved with this project.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

DRAFT

Count: 20 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BREA	S112895500	BREA REDEVELOPMENT AGENCY	307 - 323 BIRCH ST	92821	HAZNET
BREA	S114586705	BREA AUTO REPAIR	257 BREA BLVD N		RGA LUST
BREA	U004021630	CITY OF BREA-STREET RIGHT OF WAY	BREA	92821	UST
BREA	S112918032	CITY BREA	3233 N BREA BLVD	92821	HAZNET
BREA	S108542892	BREA, CITY OF	S BREA BOULEVARD		SLIC
BREA	1016264401	MOBIL OIL CORP BREA LSE	BREA BLVD	92821	FINDS
BREA	1000253679	MOBIL OIL CORP BREA LSE	BREA BLVD	92821	RCRA NonGen / NLR
BREA	1016216146	CAL TRANS BREA MTCE STATION	13571 WEST CENTRAL AVE	92821	FINDS
BREA	S114405651	BREA CENTRAL PHASE 1	CORNER OF SITE DRIVE AND WEST	92821	NPDES
BREA	S103442622	BREA CITY NO. 2	FIR & LANTANA NW CORNER		WMUDS/SWAT
BREA	S108985877	CITY OF BREA	N/A IMPERIAL HIGHWAY		SLIC
BREA	S108985880	CALRESOURCES (BERM MIXING FAC)	INTSCT NW BREA/TONNER ROAD		SLIC
BREA	S106797615	NUEVO ENERGY - TENTATIVE TRACT #16	2700 E. LAMBERT ROAD	92821	ENVIROSTOR
BREA	S106541928	FORMER BREA GUN CLUB	0 LAMBERT RD @ KRAEMER BLVD	92821	Orange Co. Industrial Site
BREA	S113460284	CITY OF BREA	LAT 33.5625.192 LONG -117.5549	92821	HAZNET
BREA	S116289245	BREA CITY	545 NBERRY ST.	92821	EMI
BREA	S113171032	BREA CARBON CANYON RESERVOIR	1100 N OLINDA DR	92821	HAZNET
BREA	S112916674	CITY OF BREA	1000 N OLINDA DR	92821	HAZNET
BREA	S106116038	BREA GUN CLUB- STEARNS LEASE	UNK LAMBERT RD @ KRAEMER BLVD	92821	Orange Co. Industrial Site
FULLERTON	1016674869	P G AND J ENV INC	271 E IMPERIAL HWY	92835	RCRA NonGen / NLR

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

DRAFT

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 08/28/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 07/08/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 08/28/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

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Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

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Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 06/23/2014
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 65

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 06/23/2014
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 65

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 18

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/14/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 66

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 07/03/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 06/05/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 33

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/06/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 06/05/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 33

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/06/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/20/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 2

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/18/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

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LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 07/31/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/17/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Quarterly

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 07/31/2014
Date Made Active in Reports: 08/25/2014
Number of Days to Update: 25

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/13/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/22/2014
Date Data Arrived at EDR: 08/22/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 27

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/14/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 61

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/20/2014
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

DRAFT

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 08/04/2014
Date Data Arrived at EDR: 08/05/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 17
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/20/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 73
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 07/31/2014
Date Made Active in Reports: 08/20/2014
Number of Days to Update: 20
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 07/31/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 271
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 10
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

DRAFT

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/04/2014
Date Data Arrived at EDR: 08/05/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 17

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 07/25/2014
Date Data Arrived at EDR: 07/28/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 25

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/20/2014
Date Data Arrived at EDR: 08/22/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 27

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/13/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/14/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/20/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 08/15/2014
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

DRAFT

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 05/30/2014
Date Data Arrived at EDR: 07/01/2014
Date Made Active in Reports: 08/15/2014
Number of Days to Update: 45
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 06/05/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 33
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/06/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 07/03/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 25
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 07/03/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DRAFT

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/11/2014
Number of Days to Update: 24
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/17/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 02/20/2014
Date Made Active in Reports: 03/27/2014
Number of Days to Update: 35
Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/14/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 08/07/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: No Update Planned

DRAFT

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 25
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/03/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 06/05/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 33
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/06/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 03/20/2014
Number of Days to Update: 20
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/29/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Varies

DRAFT

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/03/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/28/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

DRAFT

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 05/06/2014
Date Made Active in Reports: 05/19/2014
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 28

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/2014
Date Data Arrived at EDR: 07/01/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 79

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 06/26/2014
Date Data Arrived at EDR: 07/28/2014
Date Made Active in Reports: 09/15/2014
Number of Days to Update: 49

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 07/31/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 22

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Quarterly

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MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 07/31/2014
Date Made Active in Reports: 08/25/2014
Number of Days to Update: 25

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/06/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

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Date of Government Version: 06/06/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/30/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/09/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/20/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 01/30/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 132

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/04/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/29/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

DRAFT

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

DRAFT

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 05/06/2014
Date Data Arrived at EDR: 05/16/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/07/2014
Date Data Arrived at EDR: 07/10/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/10/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/18/2013
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 13

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Quarterly

DRAFT

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 05/23/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/29/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/15/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/17/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Varies

DRAFT

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/20/2014
Date Made Active in Reports: 05/28/2014
Number of Days to Update: 8
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/18/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/30/2014
Date Data Arrived at EDR: 07/01/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 27
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 06/28/2014
Date Data Arrived at EDR: 07/03/2014
Date Made Active in Reports: 08/21/2014
Number of Days to Update: 49
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Annually

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

DRAFT

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 05/30/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 38

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/08/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 41

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 03/25/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 34

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/26/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

DRAFT

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EPA WATCH LIST: EPA WATCH LIST
EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/15/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List
The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/15/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014
Date Data Arrived at EDR: 06/12/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Varies

PROC: Certified Processors Database
A listing of certified processors.

DRAFT

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/10/2014
Number of Days to Update: 23

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/17/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 05/14/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/20/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 2

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/14/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: N/A

US FIN ASSUR: Financial Assurance Information
All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/19/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 38

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/14/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

DRAFT

Date of Government Version: 03/14/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 47

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/23/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 26

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/14/2014
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/15/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/27/2014
Date Data Arrived at EDR: 05/28/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 40

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/26/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

DRAFT

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

DRAFT

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 07/25/2014
Date Data Arrived at EDR: 07/28/2014
Date Made Active in Reports: 09/15/2014
Number of Days to Update: 49

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/30/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/25/2014
Date Data Arrived at EDR: 07/28/2014
Date Made Active in Reports: 08/20/2014
Number of Days to Update: 23

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/30/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 07/23/2014
Date Data Arrived at EDR: 06/26/2014
Date Made Active in Reports: 07/25/2014
Number of Days to Update: 29

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

BUTTE COUNTY:

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CUPA Facility Listing
Cupa facility list.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 20

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 07/02/2014
Date Data Arrived at EDR: 07/03/2014
Date Made Active in Reports: 07/30/2014
Number of Days to Update: 27

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/26/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 24

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/08/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/24/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 21

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/05/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 05/06/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 7

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/30/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

EL DORADO COUNTY:

DRAFT

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/29/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 38

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 08/05/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/30/2014
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 08/19/2014
Number of Days to Update: 35

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/11/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 26

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/20/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 07/28/2014
Date Data Arrived at EDR: 07/30/2014
Date Made Active in Reports: 09/15/2014
Number of Days to Update: 47

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/20/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

KERN COUNTY:

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Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/08/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 06/20/2014
Number of Days to Update: 21

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/20/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 07/23/2014
Date Data Arrived at EDR: 07/25/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 28

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 06/19/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 41

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/21/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

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Date of Government Version: 07/21/2014
Date Data Arrived at EDR: 07/21/2014
Date Made Active in Reports: 08/19/2014
Number of Days to Update: 29

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/21/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 08/14/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/07/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/25/2014
Number of Days to Update: 28

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/16/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 07/23/2014
Date Data Arrived at EDR: 07/28/2014
Date Made Active in Reports: 08/20/2014
Number of Days to Update: 23

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 07/28/2014
Date Data Arrived at EDR: 07/28/2014
Date Made Active in Reports: 08/20/2014
Number of Days to Update: 23

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/13/2014
Date Data Arrived at EDR: 03/27/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 32

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

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Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 06/27/2014
Number of Days to Update: 16

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/26/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 07/02/2014
Date Data Arrived at EDR: 07/07/2014
Date Made Active in Reports: 08/18/2014
Number of Days to Update: 42

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/27/2014
Date Data Arrived at EDR: 05/29/2014
Date Made Active in Reports: 06/24/2014
Number of Days to Update: 26

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/20/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 06/27/2014
Number of Days to Update: 14

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 09/02/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 28

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 08/26/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

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Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/28/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/28/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 12/04/2013
Number of Days to Update: 27

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 09/16/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 7

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/07/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 05/28/2014
Number of Days to Update: 13

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/07/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/01/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/20/2014
Number of Days to Update: 8

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/07/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Quarterly

PLACER COUNTY:

DRAFT

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 29
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/08/2014
Date Data Arrived at EDR: 07/11/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 17
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/23/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/08/2014
Date Data Arrived at EDR: 07/11/2014
Date Made Active in Reports: 08/18/2014
Number of Days to Update: 38
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/23/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/06/2014
Date Data Arrived at EDR: 04/08/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 21
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/11/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 07/17/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 11
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

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Date of Government Version: 05/30/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 38

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/07/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2013
Date Data Arrived at EDR: 11/19/2013
Date Made Active in Reports: 12/31/2013
Number of Days to Update: 42

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 08/07/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/07/2014
Next Scheduled EDR Contact: 11/27/2014
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

DRAFT

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/20/2014
Date Data Arrived at EDR: 06/23/2014
Date Made Active in Reports: 07/11/2014
Number of Days to Update: 18
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/19/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 26
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/20/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/03/2014
Date Data Arrived at EDR: 04/04/2014
Date Made Active in Reports: 05/01/2014
Number of Days to Update: 27
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/15/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/19/2014
Date Made Active in Reports: 07/10/2014
Number of Days to Update: 21
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/15/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

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Date of Government Version: 06/02/2014
Date Data Arrived at EDR: 06/03/2014
Date Made Active in Reports: 06/23/2014
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/22/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 09/02/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/12/2014
Date Data Arrived at EDR: 05/19/2014
Date Made Active in Reports: 05/28/2014
Number of Days to Update: 9

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/08/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 05/27/2014
Date Data Arrived at EDR: 05/28/2014
Date Made Active in Reports: 06/20/2014
Number of Days to Update: 23

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 06/12/2014
Date Made Active in Reports: 06/20/2014
Number of Days to Update: 8

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/26/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

SOLANO COUNTY:

DRAFT

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2014
Date Data Arrived at EDR: 06/26/2014
Date Made Active in Reports: 07/25/2014
Number of Days to Update: 29

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/15/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2014
Date Data Arrived at EDR: 06/26/2014
Date Made Active in Reports: 07/25/2014
Number of Days to Update: 29

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/15/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/02/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 40

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/26/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 07/03/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 25

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/26/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 36

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 05/16/2014
Date Data Arrived at EDR: 05/16/2014
Date Made Active in Reports: 06/13/2014
Number of Days to Update: 28

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 08/08/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

VENTURA COUNTY:

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Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 04/28/2014
Date Data Arrived at EDR: 05/20/2014
Date Made Active in Reports: 05/27/2014
Number of Days to Update: 7

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/14/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/13/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 06/26/2014
Date Data Arrived at EDR: 07/31/2014
Date Made Active in Reports: 09/15/2014
Number of Days to Update: 46

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/27/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/11/2014
Number of Days to Update: 24

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/17/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/30/2014
Date Data Arrived at EDR: 07/07/2014
Date Made Active in Reports: 08/18/2014
Number of Days to Update: 42

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/19/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Annually

YUBA COUNTY:

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CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/22/2014
Date Made Active in Reports: 06/19/2014
Number of Days to Update: 28

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/31/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/17/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/07/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/07/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/21/2014
Date Made Active in Reports: 08/25/2014
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 08/13/2014
Number of Days to Update: 29

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/26/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Annually

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WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 08/07/2014
Number of Days to Update: 48

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/15/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

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STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

1638 - BREA, CA
100 BREA MALL
BREA, CA 92821

TARGET PROPERTY COORDINATES

Latitude (North):	33.9138 - 33° 54' 49.68''
Longitude (West):	117.8891 - 117° 53' 20.76''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	417807.6
UTM Y (Meters):	3752760.0
Elevation:	331 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33117-H8 LA HABRA, CA
Most Recent Revision:	1981
East Map:	33117-H7 YORBA LINDA, CA
Most Recent Revision:	1981

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

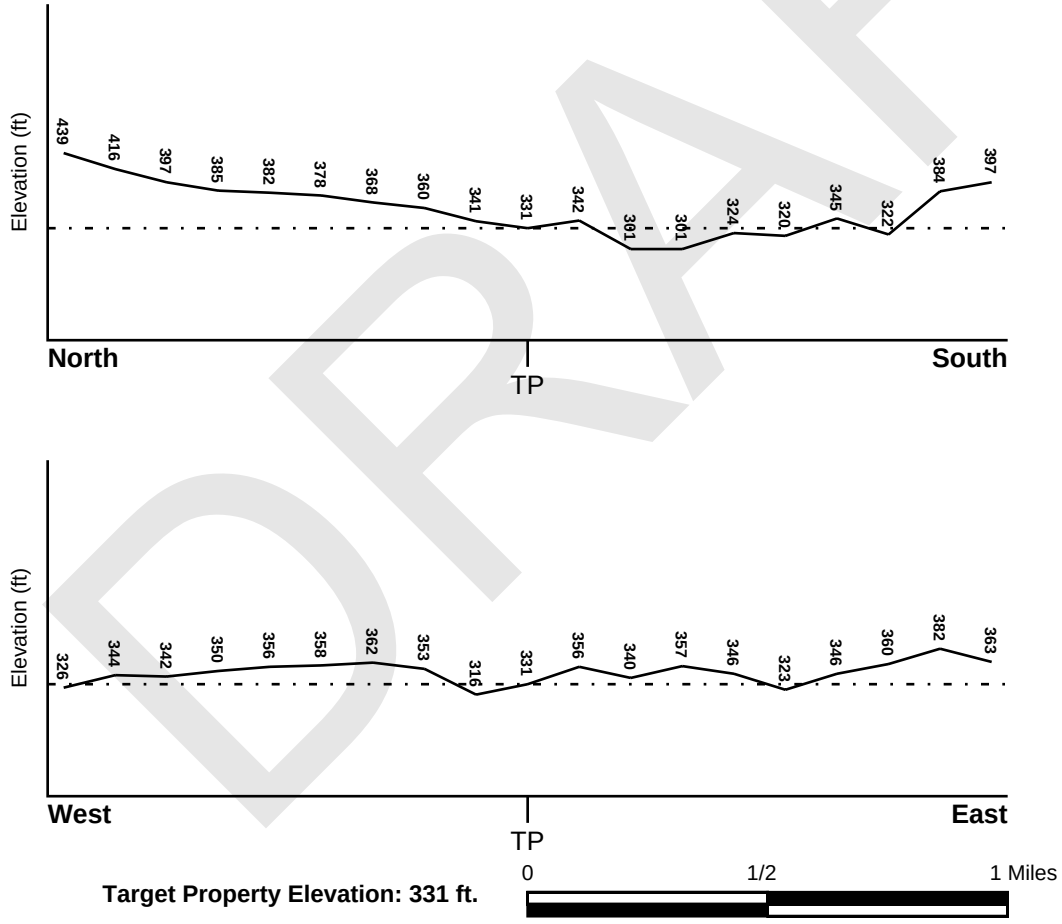
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
ORANGE, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06059C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LA HABRA	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	1/2 - 1 Mile North	S, SE
A2	1/2 - 1 Mile WNW	W
4	1/2 - 1 Mile WNW	S
A5	1/2 - 1 Mile WNW	Not Reported
6	1/2 - 1 Mile WSW	NE

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Tertiary
Series:	Pliocene
Code:	Tp *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

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SSURGO SOIL MAP - 4071150.2s

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Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	1638 - Brea, CA	CLIENT:	Terracon
ADDRESS:	100 Brea Mall Brea CA 92821	CONTACT:	Sami Noaman
LAT/LONG:	33.9138 / 117.8891	INQUIRY #:	4071150.2s
		DATE:	September 19, 2014 4:00 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6 Min: 5.1
2	11 inches	18 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.6
3	18 inches	27 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.6

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Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
4	27 inches	70 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 6.1
5	70 inches	79 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

Soil Map ID: 2

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6 Min: 5.1

DRAFT

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	11 inches	18 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.6
3	18 inches	27 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.6
4	27 inches	70 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 6.1
5	70 inches	79 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

Soil Map ID: 3

Soil Component Name: SORRENTO

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 6.1
2	11 inches	61 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1	Max: 8.4 Min: 7.9
3	61 inches	72 inches	stratified loamy fine sand to silt loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 4

Soil Component Name: RINCON

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

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Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 6.1
2	11 inches	27 inches	sandy clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	27 inches	59 inches	stratified sandy loam to clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 5

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6 Min: 5.1

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Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	11 inches	18 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.6
3	18 inches	27 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.6
4	27 inches	70 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 6.1
5	70 inches	79 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

Soil Map ID: 6

Soil Component Name: RINCON

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

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Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 6.1
2	11 inches	27 inches	sandy clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	27 inches	59 inches	stratified sandy loam to clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 7

Soil Component Name: ALO

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	14 inches	22 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1
2	22 inches	25 inches	weathered bedrock	Not reported	Not reported	Max: 1.4 Min: 0	Max: Min:
3	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A3	CA3010002	1/2 - 1 Mile WNW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG9A000023739	1/4 - 1/2 Mile South
2	CAOG9A000023751	1/4 - 1/2 Mile SE
A3	CAOG9A000023603	1/2 - 1 Mile SE
A4	CAOG9A000023671	1/2 - 1 Mile SE
5	CAOG9A000023413	1/2 - 1 Mile SSE
B6	CAOG9A000023447	1/2 - 1 Mile SSE
7	CAOG9A000023286	1/2 - 1 Mile South
8	CAOG9A000023733	1/2 - 1 Mile ESE
A9	CAOG9A000023536	1/2 - 1 Mile SE
B10	CAOG9A000023357	1/2 - 1 Mile SSE
11	CAOG9A000023222	1/2 - 1 Mile SSE
12	CAOG9A000023835	1/2 - 1 Mile ESE
C13	CAOG9A000023233	1/2 - 1 Mile SSE
D14	CAOG9A000023465	1/2 - 1 Mile SE

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STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E15	CAOG9A000023757	1/2 - 1 Mile ESE
C16	CAOG9A000023178	1/2 - 1 Mile SSE
17	CAOG9A000024299	1/2 - 1 Mile NW
C18	CAOG9A000023245	1/2 - 1 Mile SSE
E19	CAOG9A000023702	1/2 - 1 Mile ESE
C20	CAOG9A000023093	1/2 - 1 Mile SSE
F21	CAOG9A000023529	1/2 - 1 Mile SE
G22	CAOG9A000023248	1/2 - 1 Mile SSE
F23	CAOG9A000023605	1/2 - 1 Mile SE
G24	CAOG9A000023251	1/2 - 1 Mile SE
C25	CAOG9A000023076	1/2 - 1 Mile SSE
D26	CAOG9A000023327	1/2 - 1 Mile SE
H27	CAOG9A000022935	1/2 - 1 Mile SSE
I28	CAOG9A000023568	1/2 - 1 Mile SE
H29	CAOG9A000022928	1/2 - 1 Mile SSE
30	CAOG9A000023294	1/2 - 1 Mile SE
G31	CAOG9A000022998	1/2 - 1 Mile SSE
F32	CAOG9A000023477	1/2 - 1 Mile SE
H33	CAOG9A000022815	1/2 - 1 Mile SSE
J34	CAOG9A000022954	1/2 - 1 Mile SSE
I35	CAOG9A000023470	1/2 - 1 Mile SE
36	CAOG9A000023826	1/2 - 1 Mile East
K37	CAOG9A000023378	1/2 - 1 Mile SE
J38	CAOG9A000022958	1/2 - 1 Mile SSE
J39	CAOG9A000022951	1/2 - 1 Mile SSE
L40	CAOG9A000022488	1/2 - 1 Mile South
41	CAOG9A000022501	1/2 - 1 Mile South
M42	CAOG9A000022469	1/2 - 1 Mile South
N43	CAOG9A000023643	1/2 - 1 Mile ESE
O44	CAOG9A000023062	1/2 - 1 Mile SE
P45	CAOG9A000023775	1/2 - 1 Mile ESE
J46	CAOG9A000022793	1/2 - 1 Mile SSE
J47	CAOG9A000022711	1/2 - 1 Mile SSE
K48	CAOG9A000023218	1/2 - 1 Mile SE
N49	CAOG9A000023690	1/2 - 1 Mile ESE
M50	CAOG9A000022365	1/2 - 1 Mile South
51	CAOG9A000022776	1/2 - 1 Mile SSE
Q52	CAOG9A000023398	1/2 - 1 Mile SE
O53	CAOG9A000022948	1/2 - 1 Mile SE
54	CAOG9A000023361	1/2 - 1 Mile SW
Q55	CAOG9A000023335	1/2 - 1 Mile SE
R56	CAOG9A000023125	1/2 - 1 Mile SE
Q57	CAOG9A000023486	1/2 - 1 Mile ESE
L58	CAOG9A000022301	1/2 - 1 Mile South
Q59	CAOG9A000023395	1/2 - 1 Mile SE
L60	CAOG9A000022292	1/2 - 1 Mile South
S61	CAOG9A000022456	1/2 - 1 Mile SSW
N62	CAOG9A000023545	1/2 - 1 Mile ESE
P63	CAOG9A000023766	1/2 - 1 Mile ESE
T64	CAOG9A000022289	1/2 - 1 Mile South
R65	CAOG9A000023087	1/2 - 1 Mile SE
Q66	CAOG9A000023341	1/2 - 1 Mile SE
U67	CAOG9A000022232	1/2 - 1 Mile South
V68	CAOG9A000022252	1/2 - 1 Mile South
T69	CAOG9A000022247	1/2 - 1 Mile South
70	CAOG9A000022781	1/2 - 1 Mile SE

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STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
W71	CAOG9A000022405	1/2 - 1 Mile SSE
W72	CAOG9A000022466	1/2 - 1 Mile SSE
X73	CAOG9A000022261	1/2 - 1 Mile SSW
U74	CAOG9A000022191	1/2 - 1 Mile South
U75	CAOG9A000022174	1/2 - 1 Mile South
R76	CAOG9A000022968	1/2 - 1 Mile SE
X77	CAOG9A000022240	1/2 - 1 Mile SSW
W78	CAOG9A000022306	1/2 - 1 Mile SSE
Y79	CAOG9A000023120	1/2 - 1 Mile SE
T80	CAOG9A000022148	1/2 - 1 Mile South
S81	CAOG9A000022281	1/2 - 1 Mile SSW
82	CAOG9A000022454	1/2 - 1 Mile SSE
Y83	CAOG9A000023065	1/2 - 1 Mile SE
84	CAOG9A000022230	1/2 - 1 Mile SSW
85	CAOG9A000023695	1/2 - 1 Mile ESE
V86	CAOG9A000022107	1/2 - 1 Mile South

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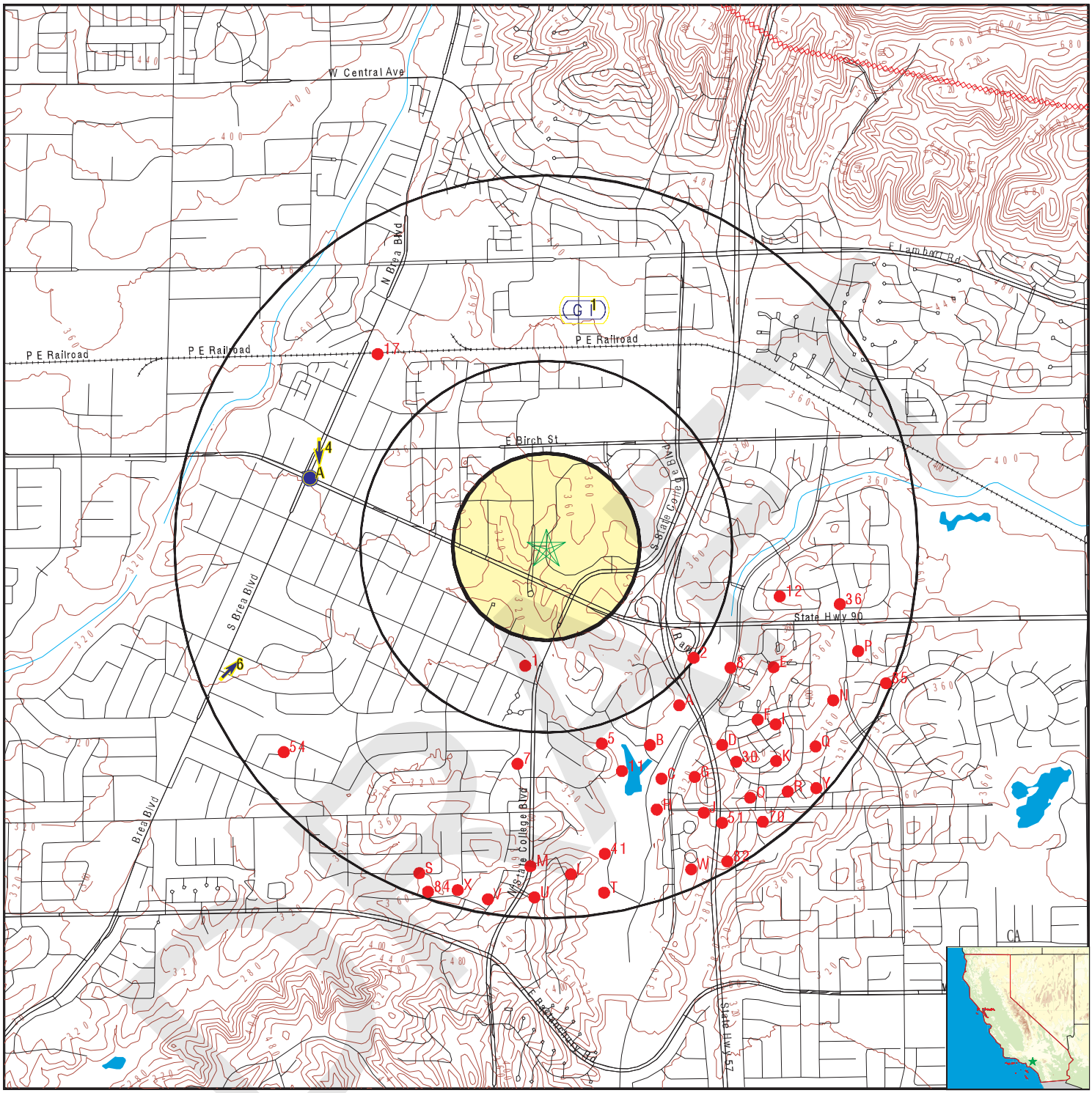
PHYSICAL SETTING SOURCE MAP - 4071150.2s



County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

SITE NAME:	1638 - Brea, CA	CLIENT:	Terracon
ADDRESS:	100 Brea Mall Brea CA 92821	CONTACT:	Sami Noaman
		INQUIRY #:	4071150.2s
LAT/LONG:	33.9138 / 117.8891	DATE:	September 19, 2014 4:00 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
1 **North** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083002759T S, SE 30 80 Not Reported 11/13/1997	**AQUIFLOW**	**64502**
A2 **WNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000569T W 10.32 61.58 Not Reported 04/26/1999	**AQUIFLOW**	**66519**

A3
WNW
1/2 - 1 Mile
Higher

FRDS PWS **CA3010002**

PWS ID: CA3010002
Date Initiated: Not Reported Date Deactivated: Not Reported
PWS Name: CITY OF BREA
BREA, CA 92621

Addressee / Facility: Not Reported

Facility Latitude: 33 55 00 Facility Longitude: 117 53 57
City Served: BREA
Treatment Class: Mixed (treated and untreated) Population: 34000

Violations information not reported.

			Database	EDR ID Number
4 **WNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000894T S Not Reported Not Reported 47 05/15/1990	**AQUIFLOW**	**67206**
A5 **WNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083001426T Not Reported 41.58 44.37 Not Reported 09/12/1998	**AQUIFLOW**	**65051**
6 **WSW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000636T NE Not Reported Not Reported 40 ft 01/12/1987	**AQUIFLOW**	**66544**

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Map ID
Direction
Distance

Database EDR ID Number

1
South **OIL_GAS** **CAOG9A000023739**
1/4 - 1/2 Mile

Districtnu:	1	Apinumber:	05904920
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	I
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	14		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.909149		
Glong:	-117.890087		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Yriarte	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PDH	Site id:	CAOG9A000023739

2
SE **OIL_GAS** **CAOG9A000023751**
1/4 - 1/2 Mile

Districtnu:	1	Apinumber:	05904933
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.909461		
Glong:	-117.882198		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023751

A3
SE **OIL_GAS** **CAOG9A000023603**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904843
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pyramid Oil Company		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.907637		
Glong:	-117.883492		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023603

A4
SE **OIL_GAS** **CAOG9A000023671**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904828
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pyramid Oil Company		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.908174		
Glong:	-117.882545		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023671

5
SSE **OIL_GAS** **CAOG9A000023413**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904826
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.906112		
Glong:	-117.8865		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union-B	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023413

B6
SSE **OIL_GAS** **CAOG9A000023447**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904831
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pyramid Oil Company		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.906332		
Glong:	-117.884324		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023447

7
South **OIL_GAS** **CAOG9A000023286**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05905373
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	14		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905321		
Glong:	-117.890447		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Hole	Wellnumber:	56-14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PDH	Site id:	CAOG9A000023286

8
ESE **OIL_GAS** **CAOG9A000023733**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904931
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.909073		
Glong:	-117.88047		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023733

A9
SE **OIL_GAS** **CAOG9A000023536**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904822
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pyramid Oil Company		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.907007		
Glong:	-117.882589		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023536

B10
SSE **OIL_GAS** **CAOG9A000023357**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904823
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pyramid Oil Company		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905772		
Glong:	-117.884171		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023357

11
SSE **OIL_GAS** **CAOG9A000023222**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904825
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pyramid Oil Company		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905039		
Glong:	-117.885557		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023222

12
ESE **OIL_GAS** **CAOG9A000023835**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05905092
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.911864		
Glong:	-117.878168		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023835

C13
SSE **OIL_GAS** **CAOG9A000023233**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904847
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pyramid Oil Company		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905108		
Glong:	-117.884003		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	35
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PDH	Site id:	CAOG9A000023233

D14
SE **OIL_GAS** **CAOG9A000023465**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904830
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.906469		
Glong:	-117.881232		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union-B	Wellnumber:	18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023465

E15
ESE **OIL_GAS** **CAOG9A000023757**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904929
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.909529		
Glong:	-117.878439		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023757

C16
SSE **OIL_GAS** **CAOG9A000023178**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904944
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.904783		
Glong:	-117.88406		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023178

17
NW **OIL_GAS** **CAOG9A000024299**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05900983
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Any Field
Areaname:	Any Area		
Section:	11		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.921325		
Glong:	-117.896996		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Brea Community	Wellnumber:	2-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PDH	Site id:	CAOG9A000024299

C18
SSE **OIL_GAS** **CAOG9A000023245**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904842
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pyramid Oil Company		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905158		
Glong:	-117.88305		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023245

E19
ESE **OIL_GAS** **CAOG9A000023702**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05905084
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.908657		
Glong:	-117.878477		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union Water	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023702

C20
SSE **OIL_GAS** **CAOG9A000023093**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904824
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pyramid Oil Company		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.904369		
Glong:	-117.884237		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023093

F21
SE **OIL_GAS** **CAOG9A000023529**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05905083
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.906934		
Glong:	-117.879937		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union Water	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023529

G22
SSE **OIL_GAS** **CAOG9A000023248**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904819
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905178		
Glong:	-117.882281		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union-B	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023248

F23
SE **OIL_GAS** **CAOG9A000023605**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904930
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.90765		
Glong:	-117.878984		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023605

G24
SE **OIL_GAS** **CAOG9A000023251**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904844
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905195		
Glong:	-117.88183		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union-B	Wellnumber:	32
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023251

C25
SSE **OIL_GAS** **CAOG9A000023076**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904845
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.904286		
Glong:	-117.88317		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union-B	Wellnumber:	33
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023076

D26
SE **OIL_GAS** **CAOG9A000023327**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05905078
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905647		
Glong:	-117.880501		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union Water	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023327

H27
SSE **OIL_GAS** **CAOG9A000022935**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904846
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pyramid Oil Company		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.903704		
Glong:	-117.884252		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	34
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022935

I28
SE **OIL_GAS** **CAOG9A000023568**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05905082
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.907225		
Glong:	-117.878342		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union Water	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023568

H29
SSE **OIL_GAS** **CAOG9A000022928**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904943
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.903678		
Glong:	-117.883551		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	28
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022928

30
SE **OIL_GAS** **CAOG9A000023294**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05905086
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905397		
Glong:	-117.880206		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union Water	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023294

G31
SSE **OIL_GAS** **CAOG9A000022998**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904938
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.904055		
Glong:	-117.882341		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022998

F32
SE **OIL_GAS** **CAOG9A000023477**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904932
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.906559		
Glong:	-117.878676		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023477

H33
SSE **OIL_GAS** **CAOG9A000022815**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904827
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.903225		
Glong:	-117.883972		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union-B	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022815

J34
SSE **OIL_GAS** **CAOG9A000022954**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904820
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.90376		
Glong:	-117.882348		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union-B	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022954

I35
SE **OIL_GAS** **CAOG9A000023470**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05905085
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.906501		
Glong:	-117.878377		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union Water	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023470

36
East **OIL_GAS** **CAOG9A000023826**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05905094
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.911556		
Glong:	-117.875353		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023826

K37
SE **OIL_GAS** **CAOG9A000023378**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05905080
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905836		
Glong:	-117.878409		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union Water	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023378

J38
SSE **OIL_GAS** **CAOG9A000022958**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904937
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.903766		
Glong:	-117.881296		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022958

J39
SSE **OIL_GAS** **CAOG9A000022951**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05905087
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.903752		
Glong:	-117.881146		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union Water	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022951

L40
South
1/2 - 1 Mile

OIL_GAS **CAOG9A000022488**

Districtnu:	1	Apinumber:	05904839
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	J. M. Peters Co. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.901654		
Glong:	-117.888007		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022488

41
South
1/2 - 1 Mile

OIL_GAS **CAOG9A000022501**

DRAFT

Districtnu:	1	Apinumber:	05904945
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.901805		
Glong:	-117.886356		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	40
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PWF	Site id:	CAOG9A000022501

M42
South
1/2 - 1 Mile

OIL_GAS **CAOG9A000022469**

Districtnu:	1	Apinumber:	05904948
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.901567		
Glong:	-117.889443		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	52
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PWF	Site id:	CAOG9A000022469

N43
ESE
1/2 - 1 Mile

OIL_GAS **CAOG9A000023643**

DRAFT

Districtnu:	1	Apinumber:	05905111
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.907918		
Glong:	-117.876173		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	60
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023643

O44
SE **OIL_GAS** **CAOG9A000023062**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05905081
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.904248		
Glong:	-117.879732		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union Water	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023062

P45
ESE **OIL_GAS** **CAOG9A000023775**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05905095
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.909815		
Glong:	-117.875044		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023775

J46
SSE **OIL_GAS** **CAOG9A000022793**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904939
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.903117		
Glong:	-117.881548		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022793

J47
SSE **OIL_GAS** **CAOG9A000022711**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904821
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.90266		
Glong:	-117.882276		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union-B	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022711

K48
SE **OIL_GAS** **CAOG9A000023218**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904934
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905025		
Glong:	-117.878261		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023218

N49
ESE **OIL_GAS** **CAOG9A000023690**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05905096
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.90841		
Glong:	-117.875394		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023690

M50
South
1/2 - 1 Mile

OIL_GAS **CAOG9A000022365**

Districtnu:	1	Apinumber:	05904954
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pacific Coast Energy Company LP		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	23		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.901079		
Glong:	-117.890245		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Hualde Fee	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022365

51
SSE
1/2 - 1 Mile

OIL_GAS **CAOG9A000022776**

DRAFT

Districtnu:	1	Apinumber:	05904859
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.903014		
Glong:	-117.880862		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gilman	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022776

Q52
SE **OIL_GAS** **CAOG9A000023398**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05905107
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.906009		
Glong:	-117.876869		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	56
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PDH	Site id:	CAOG9A000023398

O53
SE **OIL_GAS** **CAOG9A000022948**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904936
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.903748		
Glong:	-117.879376		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022948

54
SW
1/2 - 1 Mile

OIL_GAS **CAOG9A000023361**

Districtnu:	1	Apinumber:	05905021
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Severns Drilling Co.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	14		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905779		
Glong:	-117.901394		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Armstrong	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PDH	Site id:	CAOG9A000023361

Q55
SE
1/2 - 1 Mile

OIL_GAS **CAOG9A000023335**

DRAFT

Districtnu:	1	Apinumber:	05905108
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905684		
Glong:	-117.876893		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	57
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023335

R56
SE
1/2 - 1 Mile

OIL_GAS **CAOG9A000023125**

Districtnu:	1	Apinumber:	05905079
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.904539		
Glong:	-117.878106		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union Water	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023125

Q57
ESE
1/2 - 1 Mile

OIL_GAS **CAOG9A000023486**

DRAFT

Districtnu:	1	Apinumber:	05905109
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.906605		
Glong:	-117.87602		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	58
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023486

L58
South **OIL_GAS** **CAOG9A000022301**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904776
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Apex Petroleum Corporation, Ltd.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.900708		
Glong:	-117.88826		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	East Coyote	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022301

Q59
SE **OIL_GAS** **CAOG9A000023395**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05905100
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905982		
Glong:	-117.876352		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023395

L60
South **OIL_GAS** **CAOG9A000022292**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904832
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	J. M. Peters Co. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.900661		
Glong:	-117.887558		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	20
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022292

S61
SSW **OIL_GAS** **CAOG9A000022456**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05905012
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Paul E. Lehr and Anah Lehr		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	23		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.901519		
Glong:	-117.894954		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Coyote	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022456

N62
ESE **OIL_GAS** **CAOG9A000023545**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05905097
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.907081		
Glong:	-117.875425		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023545

P63
ESE **OIL_GAS** **CAOG9A000023766**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05905115
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.90963		
Glong:	-117.873946		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	P-2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023766

T64
South
1/2 - 1 Mile

OIL_GAS **CAOG9A000022289**

Districtnu:	1	Apinumber:	05904808
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	J. M. Peters Co. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.900633		
Glong:	-117.886539		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	E. Coyote	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022289

R65
SE
1/2 - 1 Mile

OIL_GAS **CAOG9A000023087**

DRAFT

Districtnu:	1	Apinumber:	05904935
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.904328		
Glong:	-117.877757		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023087

Q66
SE **OIL_GAS** **CAOG9A000023341**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05905098
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.905717		
Glong:	-117.876291		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023341

U67
South **OIL_GAS** **CAOG9A000022232**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904834
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	J. M. Peters Co. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.900331		
Glong:	-117.889341		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	22
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022232

V68
South
1/2 - 1 Mile

OIL_GAS **CAOG9A000022252**

Districtnu:	1	Apinumber:	05904963
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pacific Coast Energy Company LP		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	23		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.900394		
Glong:	-117.891627		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Hualde Fee	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PWF	Site id:	CAOG9A000022252

T69
South
1/2 - 1 Mile

OIL_GAS **CAOG9A000022247**

DRAFT

Districtnu:	1	Apinumber:	05904833
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pyramid Oil Company		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.900381		
Glong:	-117.886034		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022247

70
SE **OIL_GAS** **CAOG9A000022781**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904858
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.90306		
Glong:	-117.878958		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gilman	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022781

W71
SSE **OIL_GAS** **CAOG9A000022405**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904848
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.901289		
Glong:	-117.882339		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union-B	Wellnumber:	36
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022405

W72
SSE **OIL_GAS** **CAOG9A000022466**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904940
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.901562		
Glong:	-117.881575		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022466

X73
SSW **OIL_GAS** **CAOG9A000022261**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904970
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pacific Coast Energy Company LP		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	23		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.900425		
Glong:	-117.893014		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Hualde Fee	Wellnumber:	19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PWF	Site id:	CAOG9A000022261

U74
South
1/2 - 1 Mile

OIL_GAS **CAOG9A000022191**

Districtnu:	1	Apinumber:	05904955
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	23		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.900036		
Glong:	-117.890295		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Hualde Fee	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022191

U75
South
1/2 - 1 Mile

OIL_GAS **CAOG9A000022174**

DRAFT

Districtnu:	1	Apinumber:	05904949
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.899939		
Glong:	-117.889335		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim	Wellnumber:	54
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022174

R76
SE **OIL_GAS** **CAOG9A000022968**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05905088
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.903849		
Glong:	-117.87752		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union Water	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022968

X77
SSW **OIL_GAS** **CAOG9A000022240**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904969
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pacific Coast Energy Company LP		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	23		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.900349		
Glong:	-117.893484		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Hualde Fee	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022240

W78
SSE **OIL_GAS** **CAOG9A000022306**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05905010
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Thomas Kelly & Sons, Inc.		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.900747		
Glong:	-117.883016		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Kelly	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PDH	Site id:	CAOG9A000022306

Y79
SE **OIL_GAS** **CAOG9A000023120**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05905117
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.90449		
Glong:	-117.876471		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	P-4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023120

T80
South **OIL_GAS** **CAOG9A000022148**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904829
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pyramid Oil Company		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.89985		
Glong:	-117.88661		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anaheim Union	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022148

S81
SSW **OIL_GAS** **CAOG9A000022281**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05904975
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pacific Coast Energy Company LP		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	23		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.900585		
Glong:	-117.895136		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Hualde Fee	Wellnumber:	24
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PWF	Site id:	CAOG9A000022281

82
SSE **OIL_GAS** **CAOG9A000022454**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904860
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	24		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.901508		
Glong:	-117.880622		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gilman	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022454

Y83
SE **OIL_GAS** **CAOG9A000023065**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05905099
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	13		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.904254		
Glong:	-117.876442		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PWF	Site id:	CAOG9A000023065

84
SSW **OIL_GAS** **CAOG9A000022230**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	05904971
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pacific Coast Energy Company LP		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	23		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.900323		
Glong:	-117.894638		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Hualde Fee	Wellnumber:	20
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022230

85
ESE **OIL_GAS** **CAOG9A000023695**
1/2 - 1 Mile

DRAFT

Districtnu:	1	Apinumber:	05905048
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	18		
Township:	03S	Range:	09W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.908468		
Glong:	-117.873188		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham-Loftus	Wellnumber:	37
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000023695

V86
South
1/2 - 1 Mile

OIL_GAS **CAOG9A000022107**

Districtnu:	1	Apinumber:	05904960
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Pacific Coast Energy Company LP		
Countyname:	Orange	Fieldname:	Coyote, East
Areaname:	Any Area		
Section:	23		
Township:	03S	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	33.899672		
Glong:	-117.892039		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Hualde Fee	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	POG	Site id:	CAOG9A000022107

DRAFT

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92821	58	1

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ORANGE COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.763 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

DRAFT

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

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PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

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PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX E
SITE PHOTOGRAPHS

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Photo #1 Exterior view of southwest side of site looking northwest.

Photo #2 Exterior view of southeast side of building looking north.

Photo #3 Exterior view of northwest side of site looking east.

Photo #4 Exterior view of northeast side of site located in Brea Mall looking south.

Photo #5 Typical view of merchandise sales floor.

Photo #6 Additional view of merchandise sales floor.

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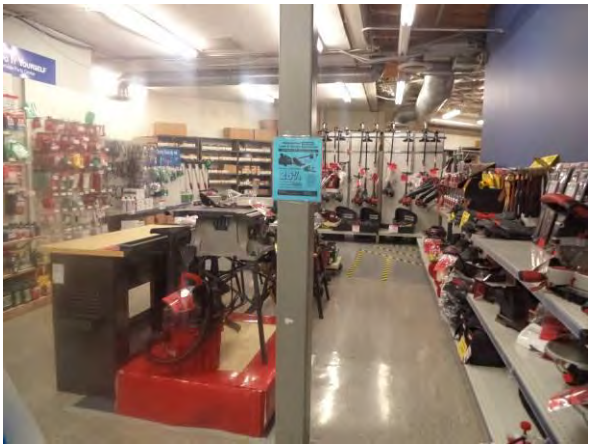

Photo #7 View of parts and service center located in main retail building.

Photo #8 Typical view of Sear Optometry Center located on north side of site.

Photo #9 Typical view of tire storage area located in automotive service center.

Photo #10 Typical view of automotive service center located on west side of site.

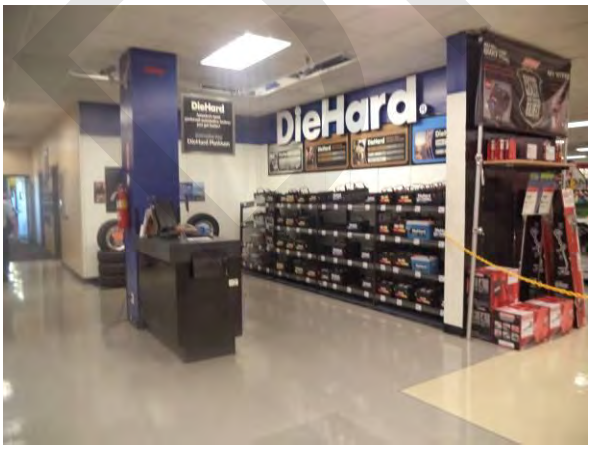

Photo #11 View of automotive sales area and new car battery storage located on west side of site.

Photo #12 View of air compressor located in parts and service center located on south side of site.

Photo #13 View of used oil/ gas storage containers located in parts and service center located on south side of site.

Photo #14 View of MSDS located in parts and service center on south side of site.

Photo #15 Typical view of electrical room located on the north side of the site.

Photo #16 View of two air compressors located in automotive service center on southwest side of site.

Photo #17 View of one approximately 35-gallon wheel weights container and three 55-gallon drums containing used oil.

Photo #18 Typical view of oil filter crusher with associated oil waste container located on north side of auto service center.

Photo #19 Typical view of in-ground hydraulic lifts located in automotive service center.

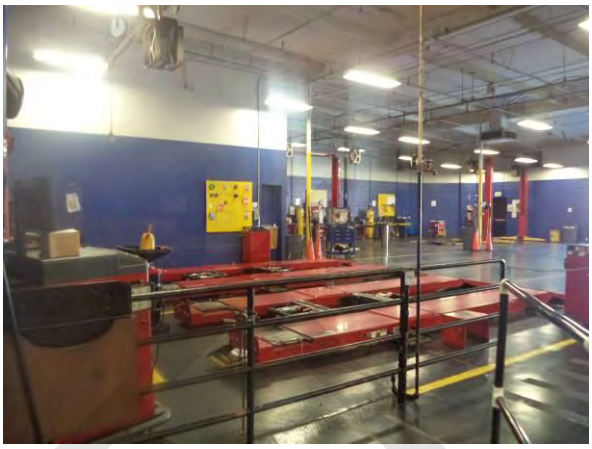

Photo #20 Typical view of above-ground hydraulic lifts located in automotive service center.

Photo #21 View of 55-gallon drums containing new oil and degreaser, and one oil catch pan located on north side of automotive service center.

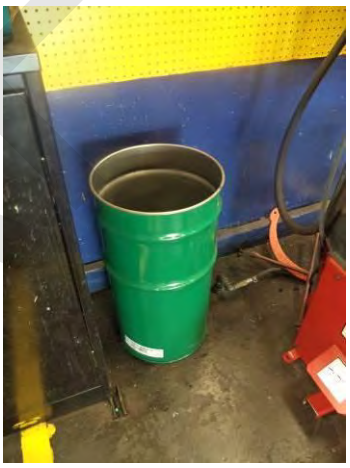

Photo #22 View of approximately 35-gallon container used for wheel weights located on northeast side of automotive service center.

Photo #23 View of approximately 120-gallon new oil container and one cubic yard waste oil and oil filter container in auto center.

Photo #24 View of approximately 200-gallon used anti-freeze storage container located on north side of auto service center.

Photo #25 View of sink/ interior drain and hazardous materials spill kit located on north side of auto service center.

Photo #26 View of portable air compressor located on east side of automotive service center.

Photo #27 View of four stage oil and water separator located on west side of site.

Photo #28 View of approximately 15-cubic-yard solid waste disposal dumpster located on northwest side of site.

Photo #29 View of cardboard baler located on west side of site near the loading dock area.

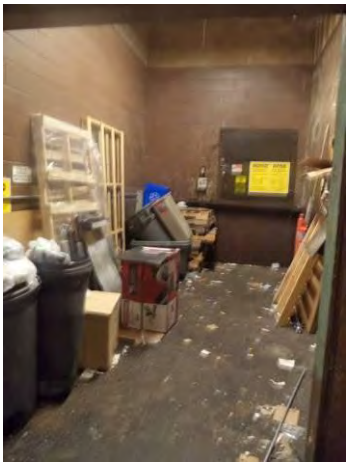

Photo #30 View of trash and debris near the entrance of solid waste compactor located on the northwest side of site.

Photo #31 View of janitorial closet with sink next to 5-gallon floor finish located on northwest side of building.

Photo #32 View of hazardous materials storage area located on the north side of the site.

Photo #33 View of used gas/ oil storage located in hazardous materials storage area.

Photo #34 View of 5-gallon used battery container located in hazardous materials storage area.

Photo #35 View of natural gas powered emergency generator located on the north side of the roof.

Photo #36 View of solid waste compactor located on the northwest side of the site.

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Photo #37 Typical view of pad-mounted transformer located on northwest side of site.

Photo #38 View of asphalt paved parking lot and BJ Restaurant (600 Brea Mall) located to the adjoining southwest of the site.

Photo #39 View of asphalt-paved parking lot and The Cheesecake Factory (120 Brea Mall) located to the adjoining southeast of the site.

Photo #40 View of four story parking garage and Image Auto Detailing (503 Brea Mall) located to the adjoining northwest of the site.

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APPENDIX F
CREDENTIALS

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CHANDEL DAVIS

STAFF ENVIRONMENTAL SCIENTIST

PROFESSIONAL EXPERIENCE

Ms. Davis is a staff environmental scientist in Terracon's Orange County, California office. Ms. Davis has a master's degree in environmental science and currently works on Phase I Environmental Site Assessments (ESAs) at Terracon. She has conducted site assessments on vacant land, office, retail, warehouse, industrial, automotive, and telecommunications sites. She also prepares ESA reports by researching city directories, agency records, topographic maps, and aerial photographs.

PROJECT EXPERIENCE

Undeveloped/Vacant land - California
Performed Environmental Site Assessment on multiple undeveloped /vacant properties.

Office Buildings - California
Performed Environmental Site Assessment on multiple office properties.

Retail Buildings - California
Performed Environmental Site Assessment on multiple retail properties.

Warehouse Buildings – California
Performed Environmental Site Assessment on multiple warehouse properties.

Industrial Buildings – California
Performed Environmental Site Assessments on multiple industrial properties.

Telecommunications Sites – California
Performed Environmental Site Assessments on multiple properties proposed for telecommunications installations.

PRESENTATIONS

"Relationships between Fennel (*Foeniculum vulgare* Mill.) Seed Mass, Germination Rate, and Soil Water Deficit in California" presented at the Ecological Society of America national convention, August 2014.

Education

Master of Science, Environmental Studies- Science and Technology, California State University Fullerton, 2014

Work History

Terracon Consultants, Inc., Environmental Staff Scientist, 2014-Present

California State University Fullerton, Teaching Assistant, 2012-2014

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ISLAM (SAMI) R. NOAMAN, E.I.T.
SENIOR PROJECT MANAGER

Professional Experience

Mr. Noaman is a Senior Project Manager in Terracon's Orange County, California office. He has over 11 years experience in environmental services including Phase I Environmental Site Assessments (ESAs), Limited Site Investigations (LSIs), and Remedial Investigations (RIs). He has conducted over 200 site assessments on vacant tracts, retail centers, multi-family housing, downtown properties, office buildings, industrial properties, and landfill sites. He prepares environmental site assessment and environmental site investigation reports. Mr.Noaman is also proficient in interaction and coordination with local, state, and federal regulatory agencies.

Phase I ESA 1527-05/13

Managed over two hundred Phase I ESAs based on the ASTM E1527-05/13 AAI standards. Management of tasks including proposal preparation, client interaction, site reconnaissance, and assigning research tasks to staff professionals. Mr. Noaman has participated in development of findings, conclusions, and recommendations throughout the ESA. Project experience includes industrial properties, mid- and high-rise office buildings, natural resources sites, multi-family residential properties, services stations, shopping centers, landfills, and dry cleaners. The following are examples of specific projects:

Phase I ESA Portfolios

Mr. Noaman has managed several ESA Portfolios including 10 water processing facilities, 12 commercial and retail properties, 30 telecommunication tower sites, and eight grocery store sites in Southern California.

Phase II Environmental Site Assessment

Mr. Noaman managed multiple Limited Site Investigations and Comprehensive Phase II ESA projects including dry-cleaning properties, auto repairing facilities, gasoline stations, and multiple industrial facilities. Mr. Noaman possesses extensive experience in data evaluation and validation.

LA Housing Partnership, 622-628 S. Alvarado St. LA

Pprepared a Phase I ESA of a mixed retail and residential apartment building. The Phase I ESA recommended further investigation to evaluate dry cleanining operations. Multiple Soil Vapor Investigations of former dry cleaning operations were conducted subsequent to the ESA.

Education

Bachelor of Science, Chemistry/Environmental Chemistry, 2002, City University of New York, City College of New York

Certifications

Certified Engineer In Training (CA) Certification No. EIT 171371

40-Hour OSHA Hazardous Waste Operations & Emergency Response Training Course

Work History

Terracon Consultants, Inc. (Irvine, CA), Senior Project Manager, June 2012 to Present

Smith Emery GeoServices (SEG), (Los Angeles, CA), Project Manager, August 2008 to June 2012

KLK Environmental Group LLC. (Kearny, NJ). Environmental Scientist August 2003 to June 2008

UniChem Inc. (Kearny, NJ). Staff Environmental Chemist August 2002 to June 2003

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Gutierrez Financial-multiple locations, Los Angeles, CA

Mr. Noaman managed this project whch consisted of removal of two 10,000-gallon, two 4,000-gallon, two 2,000-gallon, and one 550-gallon gasoline/diesel/waste oil USTs. Responsibilities associated with this project included coordination/interaction with client, contractors, and regulators, field activities, data evaluation, and report evaluation. A No Further Action status was obtained for the client.

Los Angeles Unified School District (LAUSD Sites)

Managed soil certification and soil characterization projects for export/import soils for over nine Los Angeles Unified School District (LAUSD) school sites. Responsibilities were to prepare Sample Strategy Plans (SSP), implementation of sampling strategies proposed, preparation of soil certification reports, and submittal of reports to the LAUSD Office of Environmental Health (OEHS).

Stormwater Prevention and Pollution Control Plan (SWPPP)

Mr. Noaman has managed six freight facility SWPPP projects in Southern California. Mr. Noaman responsibilities include client and agency interaction, implementation of guidelines required by the state of California Water Resources Board, and preparation of required documents/reports.

Newton Plastics, Newton, NJ

Responsibilities were to manage the removal of two 12,000-gallon tanks containing solvents and gasoline. Phase II environmental site assessment at a plastic container manufacturing company. Mr. Noaman managed and assisted in report preparation, field activities, data evaluation, client and agency interactions, and report preparation. A No Further Action letter from the New Jersey Department of Environmental Protection (NJDEP) was obtained for the client.

Eagle Electric, NYC, NY

Responsibilities were to manage the clean-up of a former coal storage facility located in the basement of a landmark building in NYC. The clean-up activities included the removal of 412 tons of HAZMAT, management and safety supervision of multi-person crew, coordination for hazmat transportation and disposal, and client contact.

AROL Chemicals, Newark, NJ

Responsibilities were to complete a Phase I ESA on the subject site. The follow up Phase II included the removal of three 12,000-gallon USTs from a chemical plant and soil clean-up by excavation and disposal. Managed all client/contractors communications and scheduling.

Goblin Lighting, Staten Island, NY

Supervised the removal of five 500-gallon gasoline and one 1,100-gallon waste oil USTs and the clean-up of approximately 453 tons of gasoline contaminated soils. Communicated with the client, contractors, and disposal facilities (transfer station) and ensured the implementation of a Health and Safety Plan put in place for the project.

KeySpan Energy, NY

Mr. Noaman Managed the KeySpan project, which consisted of evaluation of boilers and above-ground tank systems and implementation of methods to prevent excessive scaling within these systems. Objectives were achieved by the development of a pH-controlled chemical reagent that was utilized by the client on a regular basis.

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Hach Company, OH

Mr. Noaman played an important role in research and development of mass production of Ferrozine, an iron reagent used for determining trace levels of iron in chemical reagents and glycols. Ferrozine can also be used to analyze samples containing magnetite (black iron oxide) or ferrites.

KIWA of the Netherlands

Research and development associated with new synthetic methods to produce alkali Ferrates including potassium, sodium, and barium ferrates. Alkali ferrates are considered environmentally friendly oxidative reagents, used in wastewater treatment for municipal and industrial facilities.

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CARL A. PARTEN
OFFICE MANAGER

PROFESSIONAL EXPERIENCE

Mr. Parten has over twenty-two years of experience in environmental site investigations and remediation studies for Industrial and Hazardous Waste sites, municipal solid waste landfill sites and underground storage tank (UST) facilities. He was the Risk Assessment and Corrective Action Manager for Terracon's Dallas office before taking over the Orange County location as Office Manager.

He has successfully managed and obtained regulatory closure of over 30 Voluntary Cleanup Program (VCP) sites and leaking underground storage tank (LUST) facilities, and coordinated UST removal and closure for numerous facilities in multiple states throughout the United States. Mr. Parten possesses extensive experience in the installation of monitor wells, aquifer characterization, sensitive receptor surveys, and risk-based assessments. Additionally, he has extensive experience in comprehensive soil and groundwater investigations on industrial facilities and municipal solid waste (MSW) landfill facilities, including evaluation of landfill gas/methane impacts. He has prepared and implemented corrective action work plans for remediation of chlorinated hydrocarbons at dry cleaner facilities and petroleum hydrocarbons at LUST facilities, MSW landfill facilities, and managed and implemented groundwater pump and treat, non-aqueous phase liquid (NAPL) recovery, and duel-phase vapor extraction systems for the recovery of petroleum hydrocarbons. Additionally, Mr. Parten developed work plans and implemented the remediation of heavy metals and poly-nuclear aromatic hydrocarbons (PAHs).

PROJECT EXPERIENCE

Municipal Landfill – VCP Site

Successfully oversaw and managed the engineering design and construction quality assurance for the closure and restoration of a high-profile MSW landfill in accordance with regulatory standards, subsequent to significant investigation activities. The remedy consisted of removal and consolidation of wastes and construction of LFG recovery trenches to prevent migration of landfill gas. The remedy utilized engineering controls and removal of impacted media. Project management responsibilities included coordination with Local, State and Federal officials, public/neighborhood communications, and interaction with attorneys, and management of project budgets that exceeded $4.5 million over seven years. Terracon continues to provide post closure care monitoring and O&M for the site.

Department of Transportation Contract

Successfully managed a two-year environmental services contract with the Texas Department of Transportation (TxDOT) and coordinated multiple Terracon offices to provide geographic coverage of environmental consulting service throughout Texas. Mr. Parten was the liaison to TxDOT for the performance of environmental consulting services, and provided senior technical review of environmental investigations, Phase I ESAs,

Education

Bachelor of Science, Geology, Sul Ross State University, Alpine, Texas, 1994

Additional Courses:
University of Houston TCEQ Texas Risk Reduction Program (TRRP) Training Program I, II, and III

Roadmap to Remediation

CAPM Refresher Course, Texas A&M University

TNRCC Hazardous Waste Seminar

TNRCC PST Risk Assessments Seminar

TNRCC Pollution Prevention Training Workshop

API Risk/Exposure Assessment

Contaminant Fate and Transport Modeling in Risk Assessment

Environmental Hydrology and Soil Science

Certifications

Licensed Professional Geoscientist (P.G.), I.D. # 221, Texas Board of Professional Geoscientists, March 2003 (current)

Registered Professional Geologist (P.G.), I.D. # 004037; State of Tennessee, May 1996 (current)

TCEQ Corrective Action Project Manager, CAPM #01091 (current)

40 Hour OSHA Hazardous Waste Site & Waste Management Training

Affiliations

BDA/Orange County
CMAA
Groundwater Resource Assoc.
Geological Society of America

Work History

Terracon Consultants, Inc. (Irvine), Principal, Office Manager, August 1998 to Present

ATC (formerly ATEC) Associates, Inc. - Dallas, Texas, Senior Project Manager April 1990 to August 1998

Terratech, Inc. - San Jose, California, Environmental and Geotechnical Technician February 1989 to March 1990

Woodward-Clyde Consultants - San Jose, California, Environmental and Geotechnical Technician March 1987 to February 1989

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removal of underground storage tanks, remediation of affected media and waste management, asbestos and lead-based paint investigations, and management of financial metrics and budgets in strict conformance with negotiated fees and procedures under a $2,000,000 contract.

City-Operated LUST Facilities

Provided senior project management of 14 City operated LUST facilities through coordination of investigation, regulatory reporting and response actions in the pursuit of closure. Mr. Parten was responsible for managing all site activities, evaluation of data, reporting, communicating with local and state officials, and management of budget and schedule requirements.

Municipal Property

Provided senior project management and technical review of several properties, including the remediation of metals and PAH-impacted soils, using a combination of excavation and removal and in-place stabilization. Work was performed under the EPA Brownfields Program and the Voluntary Cleanup Program. The $1.2 million dollar remediation project was part of a high-profile downtown parks and recreation redevelopment project that successfully established LEED Certified public parks in areas once occupied by commercial and industrial property. Mr. Parten was responsible for managing all site activities, evaluation of data, reporting, communicating with local and state officials, and management of budget and schedule requirements.

3.023-Acre Tract – VCP Site

Successfully managed a Phase I ESA and subsequent comprehensive site investigation to evaluate historical site activities and non-native fill material. Chemicals of concern included VOCs, TPH, metals and PAHs in on-site soil and groundwater. Subsequent to completion of a risk-based assessment, response actions including remediation of approximately 1,500 cubic yards of impacted soils was performed to obtain a voluntary cleanup program Certificate of Completion. Mr. Parten was responsible for managing all site activities, evaluation of data, reporting, and communication with state officials.

Retail Shopping Center – VCP Site

Conducted extensive site investigation activities to evaluate the magnitude and extent of chlorinated solvents identified in the vicinity of a former dry cleaners facility. The chlorinated solvent plume was defined to drinking water standards and was delineated to a creek channel nearly 1,200 feet from the source property. Based on site investigation results, assisted the property owner in entering the site into the VCP, and managed and implemented response actions and treatment of affected media utilizing a combination of source-removal/excavation (750 cubic yards) within the building interiors, hydrogen-releasing compound (HRC®) treatment of backfill, and HRC injection into the underlying soil and groundwater across the site. Treatment technology effectively remediated affected soils and significantly reduced contaminant levels within the on-site source areas. Additional response actions were conducted to reduce on-site groundwater contamination levels through HRC injection at over 250 locations. Monitored natural attenuation and groundwater monitoring was performed for a period of approximately four years. Mr. Parten assisted the client in the establishment of a deed restriction (Municipal Setting Designation) that restricted the use of groundwater on the site. Mr. Parten interacted with City and State officials and prepared and submitted multiple reports documenting site activities, and managed a project budget totaling $1,200,000.

Additional Project Experience

Under the direction and senior technical review by Mr. Parten, final site closure has been obtained for over thirty VCP, Innocent Owner/Operator Program, LUST, and Industrial and Hazardous Waste facilities in multiple states across the United States. Additionally, Mr. Parten has coordinated and managed the removal of dozens of underground storage tank (UST) systems and remediation of contaminated soil and groundwater. Mr. Parten has provided expert testimony on multiple projects, and is a primary point of contact interacting with environmental attorneys and regulatory agencies.

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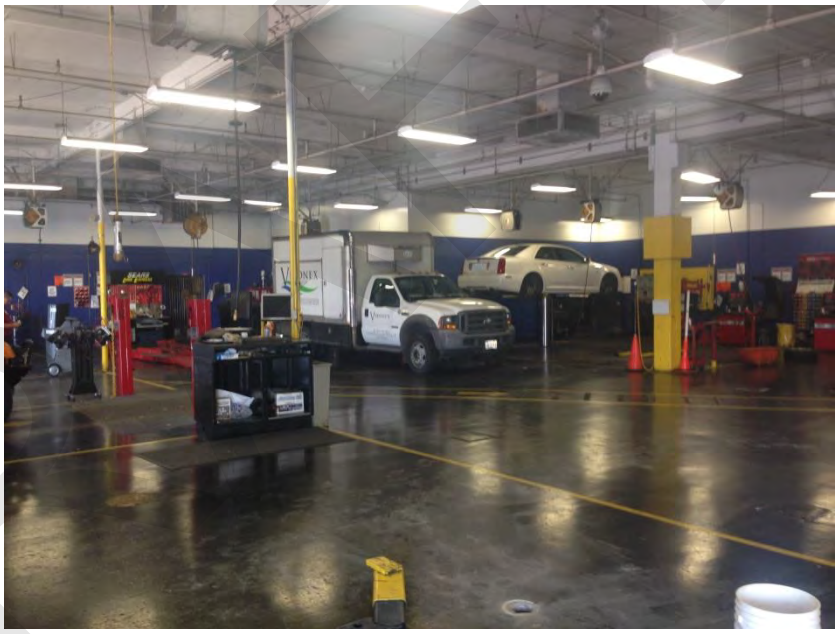
Phase II ESA Report

1638/6458_CA_DD_FINAL Phase II ESA Report
Sears Store #1638/6458
100 Brea Mall
Brea, Orange County, California

April 17, 2015
Terracon Project No. 60159016.1638/6458



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Prepared for:
Sears Holdings Management Corporation
333 Beverly Road, B5-362A
Hoffman Estates, IL 60179

Prepared by:
Terracon Consultants, Inc.
Irvine, California

Attorney Client Privilege Prepared at Request of Counsel

April 17, 2015

Terracon

Sears Holdings Management Corporation
3333 Beverly Road, B5-362A
Hoffman Estates, IL 60179

Attn: Mr. Michael Couvreur
P: (847) 286-9214
F: (847) 747-9056
Michael.couvreur@searsshc.com

Re: Phase II Environmental Site Assessment
1638/6458_CA_DD_FINAL Phase II ESA Report
Sears Store #1638/6458
100 Brea Mall
Brea, Orange County, California
Terracon Project No. 60159016.1638/6458

Dear Mr. Couvreur,

Terracon Consultants, Inc. (Terracon) is pleased to submit our report of Phase II Environmental Site Assessment (Phase II ESA) activities completed at the site referenced above. The report presents data from recent field activities that included the completion of soil borings and the collection of soil samples for chemical analysis. The activities were completed to address the findings of the Phase I Environmental Site Assessment (Phase I ESA) of the property dated October 27, 2014. Terracon conducted the Phase II ESA in general accordance with our proposal (P60150041.33) dated January 28, 2015 and your notice to proceed dated February 13, 2015.

Terracon appreciates this opportunity to provide environmental engineering services to Sears Holdings Management Corporation. Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Terracon Consultants, Inc.

for

Martin L. Eversaul, R.G. (OR)
Senior Staff Geologist

Carl A. Parten
Principal/Office Manager

Fouad Abuhamdan (Fred Hamdan), P.E.
Senior Project Manager

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Exhibit A-1 – Topographic Map
Exhibit A-2 – Boring Location Diagram

APPENDIX B – SOIL BORING LOGS
Unified Soil Classification System
Boring Logs for SB-1 through SB-7

APPENDIX C – TABLES

APPENDIX D – ANALYTICAL REPORT AND CHAIN OF CUSTODY

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PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

1638/6458_CA_DD_FINAL Phase II ESA Report

SEARS STORE #1638/6458
100 BREA MALL
BREA, ORANGE COUNTY, CALIFORNIA

Terracon Project No. 60159016.1638/6458
April 17, 2015

1.0 SITE DESCRIPTION

The site is located at 100 Brea Mall, Brea, Orange County, California and consists of two one to two story retail and automotive center buildings totaling approximately 169,000 square feet (SF). At the time of the site reconnaissance, the site was occupied by Sears, Sears Optical, Sear Automotive Center, Sears's Key Service, Sears Watch Repair, Crystal Empress gift shop, and a seasonal tax service. On-site operations include general automotive parts sales, service and maintenance, and typical household merchandise retail. A Topographic Map showing the site location is included as Exhibit 1 and a Boring Location Diagram is included as Exhibit 2 in Appendix A.

Terracon previously performed a Phase I Environmental Site Assessment (ESA) of the property for Sears Holdings Management Corporation (Terracon Project No. 60149256.1638/6458 report dated October 27, 2014). During the site reconnaissance one emergency generator, two hydraulic elevators, four air compressors, one solid waste compactor, one cardboard baler, two ASTs, multiple containers ranging in size from 1- to 55-gallon, two MSDSs, multiple interior floor drains, three pad-mounted transformers, one solid waste dumpster, a cardboard bailer, five in-ground hydraulic lifts, and one oil/water separator were observed on site.

Based on a review of historical information, the site consisted of undeveloped land from as early as 1898 through 1963. By 1977, the site was developed with the existing building and has remained relatively unchanged through the present.

It should be noted that during the site reconnaissance to evaluate underground utilities and mark proposed boring locations, a sixth hydraulic lift was identified; and therefore, an additional soil boring was added to the scope of work to assess subsurface conditions in the area of the additional lift.

2.0 SCOPE OF SERVICES

Terracon's Phase II ESA was undertaken in response to the results of our Phase I ESA report dated October 27, 2014 (Terracon Project No. 60149324.1638/6458), which identified the following recognized environmental conditions (RECs).

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- Five in-ground hydraulic lift units were observed during the site reconnaissance. Based on the evidence of TPH concentrations reported for a former lift unit removed in 2007, the current/former in-ground hydraulic lift units constitute an REC in connection with the site. A sixth hydraulic lift was identified during the site visit for the Phase II.

- One four stage oil/water separator was observed to the west of the automotive service center building during the site reconnaissance. The oil/water separator date of construction is believed to have been installed in approximately 1977 during the construction of the automotive repair center. Based on the use of petroleum and halogenated solvents typically associated with automotive operations, and the subsurface nature of the oil/water separator, the oil water separator represents a REC in connection with the site.

The Phase II ESA was conducted to evaluate the presence or absence of indicator contaminants associated with the RECs identified by the Phase I ESA. It should be noted that based on the findings of the Phase I ESA, an evaluation of groundwater (estimated to be at a depth of 90 feet below grade surface) was not performed during this investigation. The scope of services was not intended to identify every chemical possibly associated with the site. Similarly, the proposed scope was not intended to evaluate the extent or magnitude of any existing contamination.

2.1 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings and conclusions. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These Phase II ESA services were performed in accordance with the scope of work agreed with you, our client, as reflected in our proposal and were not restricted by ASTM E1903-11.

2.2 Additional Scope Limitations

Findings, and conclusions, resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent

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conditions beyond those identified during this Phase II ESA. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations, or exploratory services. The data, interpretations, and our findings, are based solely upon data obtained at the time and within the scope of these services.

2.3 Reliance

This report has been prepared for the exclusive use of Sears Holdings Management Corporation (SHMC) and Sears Holdings Subsidiaries and Affiliates, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Sears Holdings Management Corporation and Terracon. Any unauthorized distribution or reuse is at Sears Holdings Management Corporation sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, Phase II ESA, and Terracon's Master Environmental Services Agreement with Sears Holdings Management Corporation. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to Sears Holdings Management Corporation and all relying parties unless otherwise agreed in writing.

3.0 FIELD INVESTIGATION

Terracon conducted the fieldwork under a safety plan developed for this project. Work was performed using Occupational Safety and Health Administration (OSHA) Level D work attire consisting of hard hats, safety glasses, protective gloves, and protective boots. Prior to drilling activities, the soil boring locations were marked and an Underground Service Alert (Dig Alert Ticket No: A50500403) service was requested by Terracon personnel for clearance of public underground utilities. To further evaluate the presence of underground utilities at the site, a geophysical survey was performed in the vicinity of each boring location where mechanical drilling was to be performed.

Terracon's field activities were conducted on February 25, 2015 by an environmental professional under the supervision of a Principal Geologist with Terracon.

During this investigation, a total of seven (7) soil borings (SB-1 through SB-7) were advanced on-site using a direct-push technology drilling (DPT) rig and hand auger sampling equipment to a maximum depth of approximately 15 feet below ground surface (bgs). The approximate boring locations are presented on Exhibit 2, in Appendix A.

Hydraulic Lifts. Six lift reservoirs are present at the site. Terracon conducted the following scope to evaluate subsurface conditions at the lift locations.

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- Terracon advanced six soil borings, SB-1 through SB-6, (one near each area of reservoir) to maximum depths of 15 feet bgs. Terracon collected soil samples continuously for observation and field screening, and selected one soil sample from each soil boring for laboratory analysis. In the absence of field indicators of contamination, the soil samples were selected from depths ranging from approximately 3 to 10 feet bgs (highest PID readings) to evaluate surface conditions.

Oil/Water Separator. Based on the absence of subsurface investigation associated with the oil/water separator system and use of petroleum and halogenated solvents, Terracon conducted the following scope to evaluate subsurface conditions at the oil/water separator.

- Terracon advanced one soil boring, SB-7, in the area of the oil/water separator to a depth of 10 feet bgs. Terracon collected soil samples continuously for observation and field screening, and selected one soil sample from the soil boring for laboratory analysis. In the absence of field indicators of contamination, the soil sample was selected from 3 to 5 feet bgs (highest PID readings) to evaluate surface conditions. Groundwater is anticipated at a depth of 90 feet bgs; therefore, an evaluation of groundwater was not performed at this time.

Terracon field screened soil samples for organic vapors using a photoionization detector (PID). This device provides a direct reading in parts per million (ppm) isobutylene equivalents. Upon removal of the sampler from the borehole, Terracon put a portion of each sample in a sealable plastic bag. After a stabilization period, Terracon screened the headspace above the soil using the PID equipped with a 10.2 electron-volt (eV) ultraviolet lamp source. Terracon calibrated the PID in accordance with the manufacturer's recommendations before the field activities. The boring logs include the field screening results for each soil boring. Based on the field screening results, Terracon selected soil samples from each boring for laboratory analysis.

After packaging each sample in laboratory-provided containers, Terracon recorded the sample time on each container label in permanent ink and place the filled containers in an ice-filled cooler for transport to the nearest FedEx location. FedEx then delivered them to Environmental Science Corporation (ESC) in Mt. Juliet, Tennessee, a National Environmental Laboratory Accreditation Program (NELAP)-accredited laboratory, for laboratory analysis on a standard 7-day turnaround.

The samples from the borings were analyzed for Volatile Organic Compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260B and Total Petroleum

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Hydrocarbons (TPH) using United States Environmental Protection Agency (USEPA) Method 8015M (see Appendix D for Chain of Custody).

At the completion of field activities, Terracon abandoned the borings with hydrated commercial bentonite sealant. The borings completed in the paved areas were completed to surface level with concrete.

4.0 RESULTS OF THE FIELD INVESTIGATION

4.1 Geology/Hydrogeology

The boring logs in Appendix B detail the observed soil stratigraphy. In general, Terracon encountered material consisting of silty sand and sandy silt below the asphalt and concrete to the boring termination depths of 10 and 15 feet bgs.

4.2 Field Screening

The field screening results are summarized on the boring logs in Appendix B. Elevated readings were not detected in soil collected from the borings.

5.0 ANALYTICAL RESULTS

The laboratory analytical report and chain-of-custody record are attached in Appendix D. The following sections describe the results of the testing.

5.1 Soil Sample Results

The soil samples collected at the site did not exhibit VOCs above the laboratory method detection limits.

The soil samples collected at the site did not exhibit TPH-gasoline (G) range concentrations above the laboratory method detection limits. The soil samples collected from SB-4 and SB-7 exhibited TPH-diesel (D) concentrations ranging from 1.8J mg/Kg to 2.8J mg/Kg TPH-G, and TPH-oil (O) concentrations ranging from 0.47J mg/Kg to 4.7 mg/Kg TPH-O. A “J-value” is an estimated concentration reported between the laboratory method detection limits and the laboratory reporting limits.

The reported TPH concentrations were compared to the Regional Water Quality Control Board (RWQCB)-Los Angeles Maximum Screening Level (MSL) of the more conservative 100 mg/Kg

and 1,000 mg/Kg for TPH-D and TPH-O, respectively, in soil where groundwater is anticipated at less than 20 feet below the affected zone. The reported TPH-D and TPH-O concentrations are below their respective MSLs.

The soil sample exhibiting the maximum concentration of TPH (SB-7 at a depth of 3 to 5 feet bgs) was additionally analyzed for CAM-17 metals using EPA Method 6010/7000.

The soil sample collected from SB-7 at 3 to 5 feet bgs exhibited various CAM-17 metals concentrations above the laboratory method reporting limits. The reported metals concentrations were compared to the California Human Health Screening Levels (CHHSLs), and with the exception of arsenic, the remaining reported concentrations were below the applicable CHHSL values for residential and commercial land use. The detected arsenic concentration of 2.0J mg/Kg is above the residential and commercial CHHSL values of 0.07 mg/Kg and 0.24 mg/Kg, respectively.

The Department of Toxic Substances Control (DTSC) established a regional background arsenic concentration in soil that can be used as a screening tool for sites throughout southern California. The term “background” collectively refers to both naturally occurring and anthropogenic concentrations in shallow soil. Statistical analysis of a large data set from school sites in Los Angeles County gave an upper-bound background arsenic concentration of 12 mg/kg. The analysis for 5 counties in southern California also gave an upper-bound background arsenic concentration of 12 mg/kg. The detected arsenic concentration of 2.0J mg/kg at the site is below the published DTSC’s accepted regional background concentration screening level of 12 mg/Kg. The detected arsenic concentration appears to be representative of background concentrations in the region of the site.

6.0 INVESTIGATION DERIVED WASTES

Following completion of the investigation activities, the residual soil cuttings were temporarily stored in a 5-gallon plastic bucket. Due to the relatively small quantity of IDW (less than 5 gallons) and the absence of field evidence of impairment, the soil cuttings were transported offsite by the drilling contractor (Vironex Drilling) to be disposed at a later date under their general disposal permit.

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7.0 FINDINGS

Based on the scope of services described in this report and subject to the limitations described herein, Terracon concludes the following.

- Based on the soil sampling results, impacts to soil were not detected in the hydraulic lift areas and adjacent to the oil/water separator. Therefore, the usage of petroleum and halogenated organic compounds (i.e., PCE) in the locations of the hydraulic lifts and oil/water separator does not appear to have impacted the Sears Auto Center #6458 site.

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APPENDIX A – EXHIBITS

Exhibit A-1 – Topographic Map

Exhibit A-2 – Boring Location Diagram

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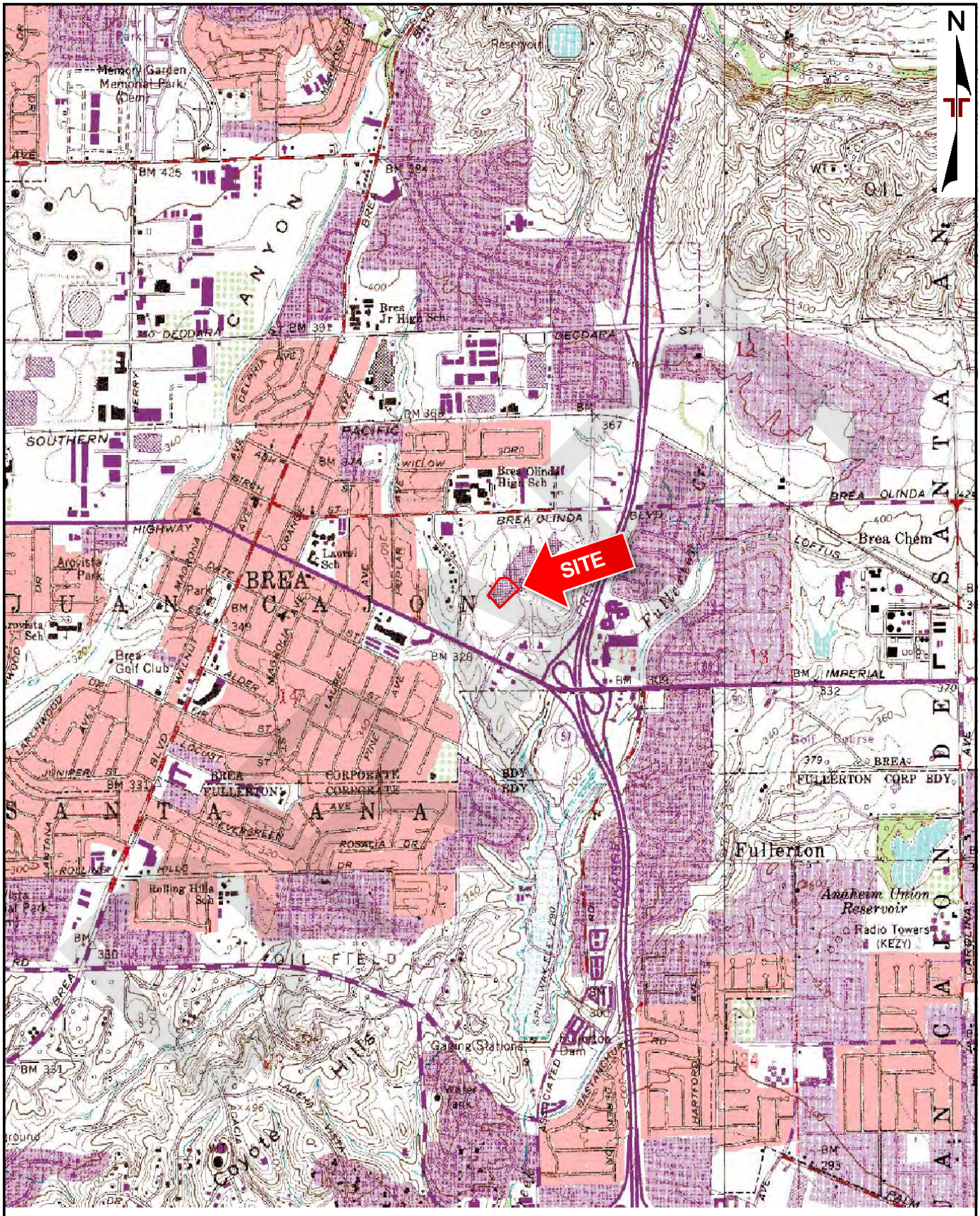
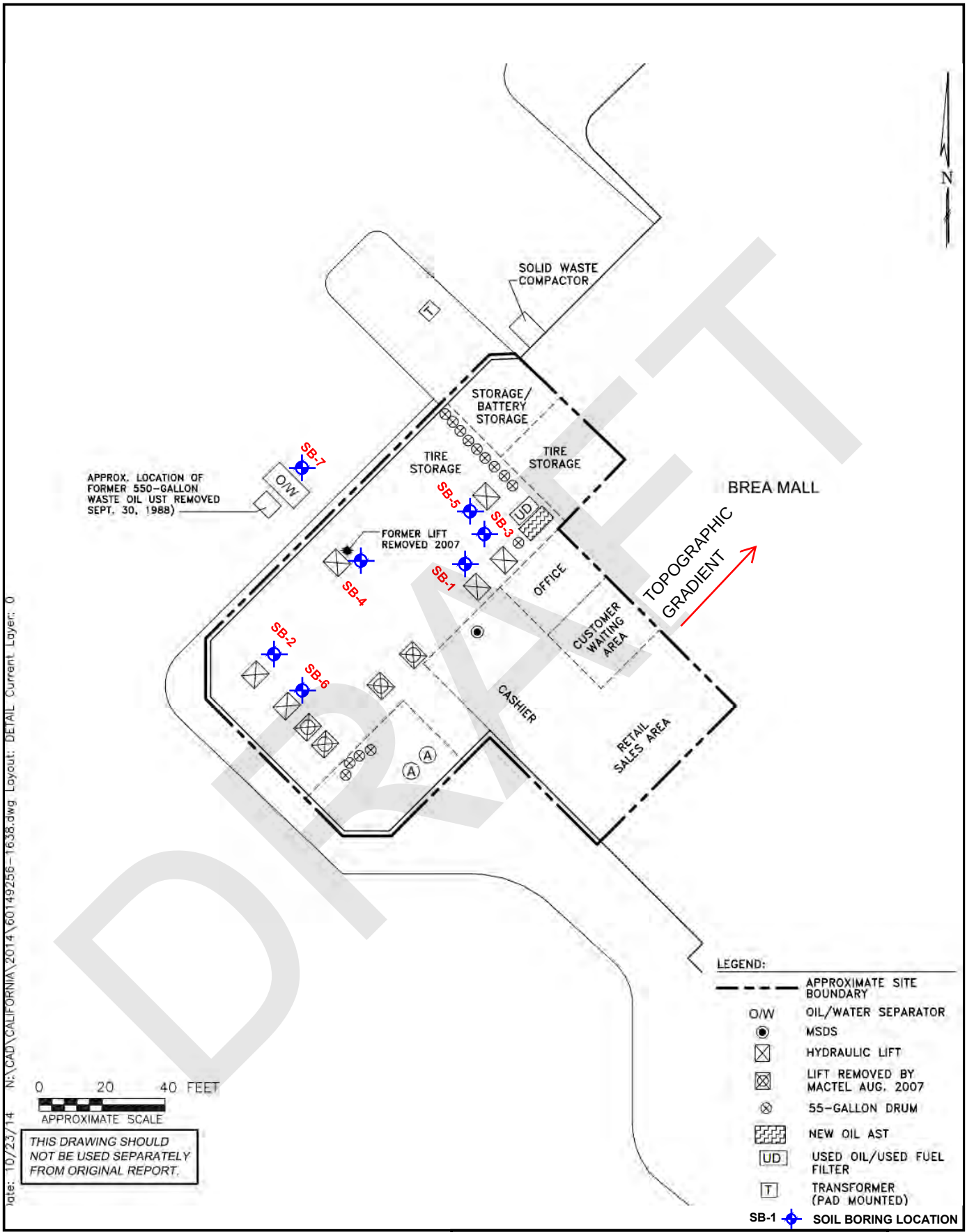


TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
QUADRANGLES INCLUDE: LA HABRA, CA (1/1/1981) and YORBA LINDA, CA (1/1/1981).

Project Manager: IRN	Project No: 60159016	Terracon 2817 MCGAW AVENUE Irvine, CALIFORNIA	TOPOGRAPHIC MAP **Sears STORE #1638/6458** 100 BREA MALL BREA, ORANGE COUNTY, CALIFORNIA	Exhibit **A-1**
Drawn by: IRN	Scale: 1"=2,000'			
Checked by: CAP	File Name: NA			
Approved by: CAP	Date: 3/4/2015			



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Project Manager:	FH
Drawn by:	SZ
Checked by:	FH
Approved by:	FH

Project No.	60159016
Scale:	AS SHOWN
Date:	10/14/2014

Terracon
Consulting Engineers & Scientists
2817 McGaw Avenue Irvine, California 92614
PH. (949) 261-0051 FAX. (949) 261-6110

BORING LOCATION DIAGRAM

SEARS STORE # 1638
100 BREA MALL
BREA . ORANGE COUNTY ,CALIFORNIA

Exhibit
A-2

APPENDIX B – SOIL BORING LOGS

Unified Soil Classification System
Boring Logs for SB-1 through SB-7

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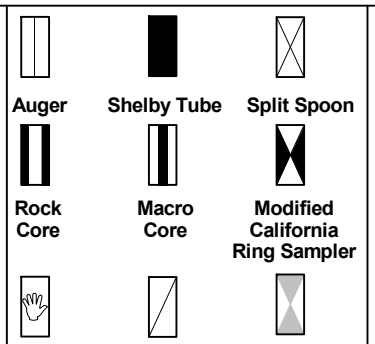
GENERAL NOTES

DESCRIPTION OF SYMBOLS AND ABBREVIATIONS

SAMPLING



WATER LEVEL

- **Water Initially Encountered**
- **Water Level After a Specified Period of Time**
- **Water Level After a Specified Period of Time**

Water levels indicated on the soil boring logs are the levels measured in the borehole at the times indicated. Groundwater level variations will occur over time. In low permeability soils, accurate determination of groundwater levels is not possible with short term water level observations.

FIELD TESTS

(HP)	**Hand Penetrometer**
(T)	**Torvane**
(b/f)	**Standard Penetration Test (blows per foot)**
N	**N value**
(PID)	**Photo-Ionization Detector**
(OVA)	**Organic Vapor Analyzer**
(WOH)	Weight of Hammer

DESCRIPTIVE SOIL CLASSIFICATION

Soil classification is based on the Unified Soil Classification System. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; their principal descriptors are: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are principally described as clays if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse-grained soils are defined on the basis of their in-place relative density and fine-grained soils on the basis of their consistency.

LOCATION AND ELEVATION NOTES

Unless otherwise noted, Latitude and Longitude are approximately determined using a hand-held GPS device. The accuracy of such devices is variable. Surface elevation data annotated with +/- indicates that no actual topographical survey was conducted to confirm the surface elevation. Instead, the surface elevation was approximately determined from topographic maps of the area.

STRENGTH TERMS

RELATIVE DENSITY OF COARSE-GRAINED SOILS (More than 50% retained on No. 200 sieve.) Density determined by Standard Penetration Resistance Includes gravels and sands.			**CONSISTENCY OF FINE-GRAINED SOILS** (50% or more passing the No. 200 sieve.) Consistency determined by laboratory shear strength testing, field visual-manual procedures or standard penetration resistance Includes silts and clays.			
Descriptive Term (Density)	**Standard Penetration or N-Value Blows/Ft.**	**Ring Sampler Blows/Ft.**	**Descriptive Term (Consistency)**	**Unconfined Compressive Strength, Qu, psf**	**Standard Penetration or N-Value Blows/Ft.**	**Ring Sampler Blows/Ft.**
Very Loose	0 - 3	0 - 6	Very Soft	less than 500	0 - 1	< 3
Loose	4 - 9	7 - 18	Soft	500 to 1,000	2 - 4	3 - 4
Medium Dense	10 - 29	19 - 58	Medium-Stiff	1,000 to 2,000	4 - 8	5 - 9
Dense	30 - 50	59 - 98	Stiff	2,000 to 4,000	8 - 15	10 - 18
Very Dense	> 50	≥ 99	Very Stiff	4,000 to 8,000	15 - 30	19 - 42
			Hard	> 8,000	> 30	> 42

RELATIVE PROPORTIONS OF SAND AND GRAVEL

Descriptive Term(s) of other constituents	Percent of Dry Weight
Trace	< 15
With	15 - 29
Modifier	> 30

GRAIN SIZE TERMINOLOGY

Major Component of Sample	Particle Size
Boulders	Over 12 in. (300 mm)
Cobbles	12 in. to 3 in. (300mm to 75mm)
Gravel	3 in. to #4 sieve (75mm to 4.75 mm)
Sand	#4 to #200 sieve (4.75mm to 0.075mm
Silt or Clay	Passing #200 sieve (0.075mm)

RELATIVE PROPORTIONS OF FINES

Descriptive Term(s) of other constituents	Percent of Dry Weight
Trace	< 5
With	5 - 12
Modifier	> 12

PLASTICITY DESCRIPTION

Term	Plasticity Index
Non-plastic	0
Low	1 - 10
Medium	11 - 30
High	> 30

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UNIFIED SOIL CLASSIFICATION SYSTEM

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests [A]					Soil Classification	
					Group Symbol	Group Name [B]
Coarse Grained Soils: More than 50% retained on No. 200 sieve	**Gravels:** More than 50% of coarse fraction retained on No. 4 sieve	**Clean Gravels:** Less than 5% fines [C]	$Cu \geq 4$ and $1 \leq Cc \leq 3$ [E]		GW	Well-graded gravel [F]
			$Cu < 4$ and/or $1 > Cc > 3$ [E]		GP	Poorly graded gravel [F]
		Gravels with Fines: More than 12% fines [C]	Fines classify as ML or MH		GM	Silty gravel [F,G,H]
			Fines classify as CL or CH		GC	Clayey gravel [F,G,H]
	Sands: 50% or more of coarse fraction passes No. 4 sieve	**Clean Sands:** Less than 5% fines [D]	$Cu \geq 6$ and $1 \leq Cc \leq 3$ [E]		SW	Well-graded sand [I]
			$Cu < 6$ and/or $1 > Cc > 3$ [E]		SP	Poorly graded sand [I]
		Sands with Fines: More than 12% fines [D]	Fines classify as ML or MH		SM	Silty sand [G,H,I]
			Fines classify as CL or CH		SC	Clayey sand [G,H,I]
Fine-Grained Soils: 50% or more passes the No. 200 sieve	**Silts and Clays:** Liquid limit less than 50	**Inorganic:**	PI > 7 and plots on or above "A" line [J]		CL	Lean clay [K,L,M]
			PI < 4 or plots below "A" line [J]		ML	Silt [K,L,M]
		Organic:	Liquid limit - oven dried	< 0.75	OL	Organic clay [K,L,M,N]
			Liquid limit - not dried			Organic silt [K,L,M,O]
	Silts and Clays: Liquid limit 50 or more	**Inorganic:**	PI plots on or above "A" line		CH	Fat clay [K,L,M]
			PI plots below "A" line		MH	Elastic Silt [K,L,M]
		Organic:	Liquid limit - oven dried	< 0.75	OH	Organic clay [K,L,M,P]
			Liquid limit - not dried			Organic silt [K,L,M,Q]
Highly organic soils:	Primarily organic matter, dark in color, and organic odor				PT	Peat

[A] Based on the material passing the 3-inch (75-mm) sieve

[B] If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

[C] Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

[D] Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay

[E] $Cu = D_{60}/D_{10}$ $\quad Cc = \dfrac{(D_{30})^2}{D_{10} \times D_{60}}$

[F] If soil contains ≥ 15% sand, add "with sand" to group name.

[G] If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

[H] If fines are organic, add "with organic fines" to group name.

[I] If soil contains ≥ 15% gravel, add "with gravel" to group name.

[J] If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

[K] If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

[L] If soil contains ≥ 30% plus No. 200 predominantly sand, add "sandy" to group name.

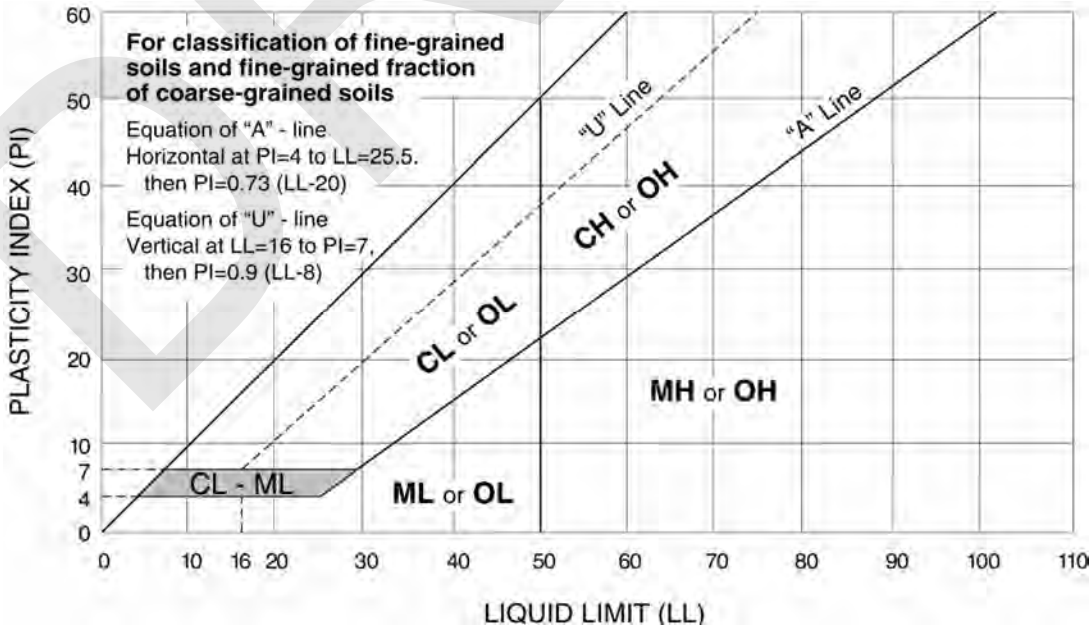
[M] If soil contains ≥ 30% plus No. 200, predominantly gravel, add "gravelly" to group name.

[N] PI ≥ 4 and plots on or above "A" line.

[O] PI < 4 or plots below "A" line.

[P] PI plots on or above "A" line.

[Q] PI plots below "A" line.



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BORING LOG NO. SB-1

PROJECT: Sears Store #1638/6458

CLIENT: Sears Holdings Managemtent Corporation
Hoffman Estates, Illinois

SITE: 100 Brea Mall
Brea, California

LOCATION See Exhibit A-2

GRAPHIC LOG	DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD VAPOR TEST (PPM)*
	0.5	**CONCRETE**					4
		SILTY SAND (SM), tan, no odor					4
							2
						24	4
			5				3
							3
							5
							2
						24	6
	10.0		10				7
		Boring Terminated at 10 Feet					

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The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

*ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million of isobutylene equivalents.

Advancement Method:
Direct-Push

Abandonment Method:
Borings backfilled with bentonite chips upon completion

See Appendices for description of field procedures.
See Appendices for description of laboratory procedures and additional data (if any).
See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
Not Encountered

Terracon
2817 McGaw Avenue
Irvine, California

Boring Started: 2/25/2015 | Boring Completed: 2/25/2015
Drill Rig: GeoProbe | Driller: Vironex
Project No.: 60159016.1638 | Exhibit: B-1

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 1638 BREA.GPJ TERRACON2012.GDT 3/10/15

BORING LOG NO. SB-2

PROJECT: Sears Store #1638/6458

CLIENT: Sears Holdings Managemtent Corporation
Hoffman Estates, Illinois

SITE: 100 Brea Mall
Brea, California

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD VAPOR TEST (PPM)*
0.5	**CONCRETE**					5
	SILTY SAND (SM), tan, no odor					4
						3
					24	6
						3
		5				4
						3
						4
					24	4
						5
10.0	***Boring Terminated at 10 Feet***	10				

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

*ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million of isobutylene equivalents.

Advancement Method:
Direct-Push

Abandonment Method:
Borings backfilled with bentonite chips upon completion

See Appendices for description of field procedures.
See Appendices for description of laboratory procedures and additional data (if any).
See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
Not Encountered

Terracon
2817 McGaw Avenue
Irvine, California

Boring Started: 2/25/2015 | Boring Completed: 2/25/2015
Drill Rig: GeoProbe | Driller: Vironex
Project No.: 60159016.1638 | Exhibit: B-2

DRAFT

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 1638 BREA.GPJ TERRACON2012.GDT 3/10/15

BORING LOG NO. SB-3

PROJECT: Sears Store #1638/6458

CLIENT: Sears Holdings Managemtent Corporation
Hoffman Estates, Illinois

SITE: 100 Brea Mall
Brea, California

LOCATION See Exhibit A-2

GRAPHIC LOG	DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD VAPOR TEST (PPM)*
	0.5	**CONCRETE**					1
		SILTY SAND (SM), tan, no odor					4
							4
						24	4
			5				6
							4
							3
							3
						24	3
	10.0		10				3
		Boring Terminated at 10 Feet					

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The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

*ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million of isobutylene equivalents.

Advancement Method:
Direct-Push

Abandonment Method:
Borings backfilled with bentonite chips upon completion

See Appendices for description of field procedures.
See Appendices for description of laboratory procedures and additional data (if any).
See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
Not Encountered

Terracon
2817 McGaw Avenue
Irvine, California

Boring Started: 2/25/2015 | Boring Completed: 2/25/2015
Drill Rig: GeoProbe | Driller: Vironex
Project No.: 60159016.1638 | Exhibit: B-3

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 1638 BREA.GPJ TERRACON2012.GDT 3/10/15

BORING LOG NO. SB-4

PROJECT: Sears Store #1638/6458

CLIENT: Sears Holdings Managemtent Corporation
Hoffman Estates, Illinois

SITE: 100 Brea Mall
Brea, California

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD VAPOR TEST (PPM)*
0.5	**CONCRETE**					4
	SILTY SAND (SM), tan, no odor					2
						4
						5
		5				3
						3
						5
						4
					24	3
		10				3
						3
						4
						4
					24	3
15.0		15				5
	Boring Terminated at 15 Feet					

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The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

*ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million of isobutylene equivalents.

Advancement Method:
Direct-Push

Abandonment Method:
Borings backfilled with bentonite chips upon completion

See Appendices for description of field procedures.
See Appendices for description of laboratory procedures and additional data (if any).
See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
Not Encountered

Terracon
2817 McGaw Avenue
Irvine, California

Boring Started: 2/26/2015 | Boring Completed: 2/26/2015
Drill Rig: GeoProbe | Driller: Vironex
Project No.: 60159016.1638 | Exhibit: B-4

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 1638 BREA.GPJ TERRACON2012.GDT 3/10/15

BORING LOG NO. SB-5

PROJECT: Sears Store #1638/6458

CLIENT: Sears Holdings Managemtent Corporation
Hoffman Estates, Illinois

SITE: 100 Brea Mall
Brea, California

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD VAPOR TEST (PPM)*
0.5	**CONCRETE**					3
	SILTY SAND (SM), tan, no odor					3
						6
						5
						7
		5				5
						5
						4
					24	5
						7
		10				3
						3
13.0						6
	SANDY SILT (ML), tan, no odor				24	5
15.0						7
	Boring Terminated at 15 Feet	15				

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

*ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million of isobutylene equivalents.

Advancement Method:
Direct-Push

Abandonment Method:
Borings backfilled with bentonite chips upon completion

See Appendices for description of field procedures.
See Appendices for description of laboratory procedures and additional data (if any).
See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
Not Encountered

Terracon
2817 McGaw Avenue
Irvine, California

Boring Started: 2/26/2015 | Boring Completed: 2/26/2015
Drill Rig: GeoProbe | Driller: Vironex
Project No.: 60159016.1638 | Exhibit: B-5

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THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 1638 BREA.GPJ TERRACON2012.GDT 3/10/15

BORING LOG NO. SB-6

PROJECT: Sears Store #1638/6458

CLIENT: Sears Holdings Managemtent Corporation
Hoffman Estates, Illinois

SITE: 100 Brea Mall
Brea, California

LOCATION See Exhibit A-2

DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD VAPOR TEST (PPM)*
0.5	**CONCRETE**					5
	SILTY SAND (SM), tan, no odor					4
						7
						5
						4
		5				3
						8
						7
					24	5
		10				7
						3
						3
						6
					24	3
15.0		15				4
	Boring Terminated at 15 Feet					

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The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

*ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million of isobutylene equivalents.

Advancement Method:
Direct-Push

Abandonment Method:
Borings backfilled with bentonite chips upon completion

See Appendices for description of field procedures.
See Appendices for description of laboratory procedures and additional data (if any).
See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
Not Encountered

Terracon
2817 McGaw Avenue
Irvine, California

Boring Started: 2/26/2015 | Boring Completed: 2/26/2015
Drill Rig: GeoProbe | Driller: Vironex
Project No.: 60159016.1638 | Exhibit: B-6

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 1638 BREA.GPJ TERRACON2012.GDT 3/10/15

BORING LOG NO. SB-7

PROJECT: Sears Store #1638/6458

CLIENT: Sears Holdings Managemtent Corporation
Hoffman Estates, Illinois

SITE: 100 Brea Mall
Brea, California

LOCATION See Exhibit A-2

GRAPHIC LOG	DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD VAPOR TEST (PPM)*
	0.5	**ASPHALT**					5
		SILTY SAND (SM), tan, no odor					3
							2
						24	5
			5				3
							5
							4
							5
						24	2
	10.0		10				3
		Boring Terminated at 10 Feet					

DRAFT

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

*ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million of isobutylene equivalents.

Advancement Method:
Direct-Push

Abandonment Method:
Borings backfilled with bentonite chips upon completion

See Appendices for description of field procedures.
See Appendices for description of laboratory procedures and additional data (if any).
See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
Not Encountered

Terracon
2817 McGaw Avenue
Irvine, California

Boring Started: 2/26/2015 | Boring Completed: 2/26/2015
Drill Rig: GeoProbe | Driller: Vironex
Project No.: 60159016.1638 | Exhibit: B-7

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 1638 BREA.GPJ TERRACON2012.GDT 3/10/15

APPENDIX C – TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS - VOCs[1] and TPH[2]
Sears Store #1638 and Sears Auto Center #6458
100 Brea Mall
Brea California
Terracon Project No. 60159016.1638

Sample I.D.	Sample Depth (feet bgs)	Sample Date	VOCs[3] (mg/kg)	TPH (mg/kg)		
				C5 - C12	C10 - C28	C-28 - C40
SB-1	3 - 5	02/25/15	ND	ND	ND	ND
SB-2	3 - 5	02/25/15	ND	ND	ND	ND
SB-3	3 - 5	02/25/15	ND	ND	ND	ND
SB-4	8 - 10	02/26/15	ND	ND	1.8J	0.47J
SB-5	8 - 10	02/26/15	ND	ND	ND	ND
SB-6	8 - 10	02/26/15	ND	ND	ND	ND
SB-7	3 - 5	02/26/15	ND	ND	2.8J	4.7
RSLs (Residential)			NE	NE	NE	NE
MSLs			NA	100	100	1,000

1. VOCs = Volatile organic compounds analyzed by **EPA Method 8260B**
2. TPH = Total petroleum hydrocarbons analyzed by **EPA Method 8015**
3. Only those constituents detected above the laboratory detection limit are reported

ND = non detected NE = not established
(J) = Estimated value, value is above the laboratory detection limit, but below the laboratory quantitiation limit
Bold denotes concentrations that exceed applicable screening level
NE = Not Established
RSLs = Regional Screening Levels for EPA Region 9, California
MSLs = Maximum Screening Levels (MSLs) for soils <20 feet for distance above groundwater, Region 4, Regional Water Quality Control Board-Los Angeles Region, Interim Site Assessment & Cleanup Guidebook, January 2005

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TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS - METALS
Sears Store #1638 and Sears Auto Center #6458
100 Brea Mall
Brea California
Terracon Project No. 60159016.1638

Sample I.D.	Sample Date	Sample Depth (feet bgs)	*Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/Kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Vanadium (mg/kg)	Zinc (mg/Kg)	Other Metals
SB-7	02/26/15	3 - 5	2.0J	36	0.43J	5.9	3.1	4.3	2.2	0.0088J	8.2	16	15	ND
CHHSLs			0.07	5,200	1.7	100,000	660	300	80	18	16000	530	23,000	NA

Notes:
All units are in milligrams per kilograms (mg/Kg)
EPA= Environmental Protection Agency
< = not detected above laboratory reporting limits
bgs= below ground surface
Bold - indicates above applicable regulatory screening level

CHHSLs = California Human Health Screening Levels (CHHSLs) for Soil and Comparison to Other Potential Environmental Concerns for Residential land use only

*Background Metals = The Department of Toxic Substances Control (DTSC) established a regional background arsenic concentration in soil that can be used as a screening tool for sites throughout southern California. The term “background” collectively refers to both naturally occurring and anthropogenic concentrations in shallow soil. Statistical analysis of a large data set from school sites in Los Angeles County gave an upper-bound background arsenic concentration of 12 mg/kg. The analysis for 5 counties in southern California also gave an upper-bound background arsenic concentration of 12 mg/kg. The detected arsenic concentrations at the site are below the DTSC’s established retional background concentration screening level.

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APPENDIX D – ANALYTICAL REPORT AND CHAIN OF CUSTODY

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12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

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Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

Report Summary

Friday March 06, 2015

Report Number: L750960
Samples Received: 02/28/15
Client Project: 60159016 TASK: 1638

Description: Sears: Brea

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Jarred Willis

Jarred Willis , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 06,2015

ESC Sample # : L750960-01

Date Received : February 28, 2015
Description : Sears: Brea

Site ID :

Sample ID : SB-1 3FT

Project # : 60159016 TASK: 1638

Collected By : Martin Eversaul
Collection Date : 02/25/15 16:00

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	97.3	0.0333		%		2540 G-2	03/03/15	1
TPHG C5 - C12	U	0.17	0.51	mg/kg		8015	03/02/15	5
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8015	03/02/15	1
Volatile Organics								
Acetone	U	0.050	0.26	mg/kg		8260B	03/06/15	5
Acrylonitrile	U	0.0090	0.051	mg/kg		8260B	03/06/15	5
Benzene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Bromobenzene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Bromodichloromethane	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
Bromoform	U	0.0021	0.0051	mg/kg		8260B	03/06/15	5
Bromomethane	U	0.0067	0.026	mg/kg		8260B	03/06/15	5
n-Butylbenzene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
sec-Butylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
tert-Butylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
Carbon disulfide	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Carbon tetrachloride	U	0.0016	0.0051	mg/kg		8260B	03/06/15	5
Chlorobenzene	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Chlorodibromomethane	U	0.0019	0.0051	mg/kg		8260B	03/06/15	5
Chloroethane	U	0.0047	0.026	mg/kg	J4J5	8260B	03/06/15	5
2-Chloroethyl vinyl ether	U	0.012	0.26	mg/kg	J4	8260B	03/06/15	5
Chloroform	U	0.0011	0.026	mg/kg		8260B	03/06/15	5
Chloromethane	U	0.0019	0.013	mg/kg		8260B	03/06/15	5
2-Chlorotoluene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
4-Chlorotoluene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dibromo-3-Chloropropane	U	0.0052	0.026	mg/kg		8260B	03/06/15	5
1,2-Dibromoethane	U	0.0017	0.0051	mg/kg		8260B	03/06/15	5
Dibromomethane	U	0.0019	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dichlorobenzene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
1,3-Dichlorobenzene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
1,4-Dichlorobenzene	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Dichlorodifluoromethane	U	0.0036	0.026	mg/kg		8260B	03/06/15	5
1,1-Dichloroethane	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dichloroethane	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
1,1-Dichloroethene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
cis-1,2-Dichloroethene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
trans-1,2-Dichloroethene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dichloropropane	U	0.0018	0.0051	mg/kg		8260B	03/06/15	5
1,1-Dichloropropene	U	0.0016	0.0051	mg/kg		8260B	03/06/15	5
1,3-Dichloropropane	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
cis-1,3-Dichloropropene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 06,2015

ESC Sample # : L750960-01

Date Received : February 28, 2015
Description : Sears: Brea

Site ID :

Sample ID : SB-1 3FT

Project # : 60159016 TASK: 1638

Collected By : Martin Eversaul
Collection Date : 02/25/15 16:00

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
trans-1,3-Dichloropropene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
2,2-Dichloropropane	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Di-isopropyl ether	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
Ethylbenzene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
Hexachloro-1,3-butadiene	U	0.0017	0.0051	mg/kg		8260B	03/06/15	5
Isopropylbenzene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
p-Isopropyltoluene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
2-Butanone (MEK)	U	0.023	0.051	mg/kg		8260B	03/06/15	5
Methylene Chloride	U	0.0050	0.026	mg/kg		8260B	03/06/15	5
4-Methyl-2-pentanone (MIBK)	U	0.0094	0.051	mg/kg		8260B	03/06/15	5
Methyl tert-butyl ether	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Naphthalene	U	0.0050	0.026	mg/kg		8260B	03/06/15	5
n-Propylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
Styrene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
1,1,1,2-Tetrachloroethane	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
1,1,2,2-Tetrachloroethane	U	0.0018	0.0051	mg/kg		8260B	03/06/15	5
1,1,2-Trichlorotrifluoroethane	U	0.0018	0.0051	mg/kg		8260B	03/06/15	5
Tetrachloroethene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Toluene	U	0.0022	0.026	mg/kg		8260B	03/06/15	5
1,2,3-Trichlorobenzene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
1,2,4-Trichlorobenzene	U	0.0019	0.0051	mg/kg		8260B	03/06/15	5
1,1,1-Trichloroethane	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
1,1,2-Trichloroethane	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Trichloroethene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Trichlorofluoromethane	U	0.0019	0.026	mg/kg		8260B	03/06/15	5
1,2,3-Trichloropropane	U	0.0037	0.013	mg/kg		8260B	03/06/15	5
1,2,4-Trimethylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
1,2,3-Trimethylbenzene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Vinyl chloride	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
1,3,5-Trimethylbenzene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
Xylenes, Total	U	0.0035	0.015	mg/kg		8260B	03/06/15	5
Surrogate Recovery								
Toluene-d8	102.			% Rec.		8260B	03/06/15	1
Dibromofluoromethane	107.			% Rec.		8260B	03/06/15	1
a,a,a-Trifluorotoluene	102.			% Rec.		8260B	03/06/15	1
4-Bromofluorobenzene	89.8			% Rec.		8260B	03/06/15	1
Diesel and Oil Ranges								
C10-C28 Diesel Range	U	1.6	4.1	mg/kg		8015	03/02/15	1
C28-C40 Oil Range	U	0.27	4.1	mg/kg		8015	03/02/15	1
Surrogate Recovery								
o-Terphenyl	82.5			% Rec.		8015	03/02/15	1

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 06,2015

ESC Sample # : L750960-02

Date Received : February 28, 2015
Description : Sears: Brea

Site ID :

Sample ID : SB-2 3FT

Project # : 60159016 TASK: 1638

Collected By : Martin Eversaul
Collection Date : 02/25/15 16:30

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	86.4	0.0333		%		2540 G-2	03/03/15	1
TPHG C5 - C12	U	0.17	0.58	mg/kg		8015	03/02/15	5
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8015	03/02/15	1
Volatile Organics								
Acetone	U	0.050	0.29	mg/kg		8260B	03/06/15	5
Acrylonitrile	U	0.0090	0.058	mg/kg		8260B	03/06/15	5
Benzene	U	0.0014	0.0058	mg/kg		8260B	03/06/15	5
Bromobenzene	U	0.0014	0.0058	mg/kg		8260B	03/06/15	5
Bromodichloromethane	U	0.0013	0.0058	mg/kg		8260B	03/06/15	5
Bromoform	U	0.0021	0.0058	mg/kg		8260B	03/06/15	5
Bromomethane	U	0.0067	0.029	mg/kg		8260B	03/06/15	5
n-Butylbenzene	U	0.0013	0.0058	mg/kg		8260B	03/06/15	5
sec-Butylbenzene	U	0.0010	0.0058	mg/kg		8260B	03/06/15	5
tert-Butylbenzene	U	0.0010	0.0058	mg/kg		8260B	03/06/15	5
Carbon disulfide	U	0.0011	0.0058	mg/kg		8260B	03/06/15	5
Carbon tetrachloride	U	0.0016	0.0058	mg/kg		8260B	03/06/15	5
Chlorobenzene	U	0.0011	0.0058	mg/kg		8260B	03/06/15	5
Chlorodibromomethane	U	0.0019	0.0058	mg/kg		8260B	03/06/15	5
Chloroethane	U	0.0047	0.029	mg/kg	J4	8260B	03/06/15	5
2-Chloroethyl vinyl ether	U	0.012	0.29	mg/kg	J4	8260B	03/06/15	5
Chloroform	U	0.0011	0.029	mg/kg		8260B	03/06/15	5
Chloromethane	U	0.0019	0.014	mg/kg		8260B	03/06/15	5
2-Chlorotoluene	U	0.0015	0.0058	mg/kg		8260B	03/06/15	5
4-Chlorotoluene	U	0.0012	0.0058	mg/kg		8260B	03/06/15	5
1,2-Dibromo-3-Chloropropane	U	0.0052	0.029	mg/kg		8260B	03/06/15	5
1,2-Dibromoethane	U	0.0017	0.0058	mg/kg		8260B	03/06/15	5
Dibromomethane	U	0.0019	0.0058	mg/kg		8260B	03/06/15	5
1,2-Dichlorobenzene	U	0.0015	0.0058	mg/kg		8260B	03/06/15	5
1,3-Dichlorobenzene	U	0.0012	0.0058	mg/kg		8260B	03/06/15	5
1,4-Dichlorobenzene	U	0.0011	0.0058	mg/kg		8260B	03/06/15	5
Dichlorodifluoromethane	U	0.0036	0.029	mg/kg		8260B	03/06/15	5
1,1-Dichloroethane	U	0.0010	0.0058	mg/kg		8260B	03/06/15	5
1,2-Dichloroethane	U	0.0013	0.0058	mg/kg		8260B	03/06/15	5
1,1-Dichloroethene	U	0.0015	0.0058	mg/kg		8260B	03/06/15	5
cis-1,2-Dichloroethene	U	0.0012	0.0058	mg/kg		8260B	03/06/15	5
trans-1,2-Dichloroethene	U	0.0013	0.0058	mg/kg		8260B	03/06/15	5
1,2-Dichloropropane	U	0.0018	0.0058	mg/kg		8260B	03/06/15	5
1,1-Dichloropropene	U	0.0016	0.0058	mg/kg		8260B	03/06/15	5
1,3-Dichloropropane	U	0.0010	0.0058	mg/kg		8260B	03/06/15	5
cis-1,3-Dichloropropene	U	0.0013	0.0058	mg/kg		8260B	03/06/15	5

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 06,2015

ESC Sample # : L750960-02

Date Received : February 28, 2015
Description : Sears: Brea

Site ID :

Sample ID : SB-2 3FT

Project # : 60159016 TASK: 1638

Collected By : Martin Eversaul
Collection Date : 02/25/15 16:30

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
trans-1,3-Dichloropropene	U	0.0013	0.0058	mg/kg		8260B	03/06/15	5
2,2-Dichloropropane	U	0.0014	0.0058	mg/kg		8260B	03/06/15	5
Di-isopropyl ether	U	0.0012	0.0058	mg/kg		8260B	03/06/15	5
Ethylbenzene	U	0.0015	0.0058	mg/kg		8260B	03/06/15	5
Hexachloro-1,3-butadiene	U	0.0017	0.0058	mg/kg		8260B	03/06/15	5
Isopropylbenzene	U	0.0012	0.0058	mg/kg		8260B	03/06/15	5
p-Isopropyltoluene	U	0.0010	0.0058	mg/kg		8260B	03/06/15	5
2-Butanone (MEK)	U	0.023	0.058	mg/kg		8260B	03/06/15	5
Methylene Chloride	U	0.0050	0.029	mg/kg		8260B	03/06/15	5
4-Methyl-2-pentanone (MIBK)	U	0.0094	0.058	mg/kg		8260B	03/06/15	5
Methyl tert-butyl ether	U	0.0011	0.0058	mg/kg		8260B	03/06/15	5
Naphthalene	U	0.0050	0.029	mg/kg		8260B	03/06/15	5
n-Propylbenzene	U	0.0010	0.0058	mg/kg		8260B	03/06/15	5
Styrene	U	0.0012	0.0058	mg/kg		8260B	03/06/15	5
1,1,1,2-Tetrachloroethane	U	0.0013	0.0058	mg/kg		8260B	03/06/15	5
1,1,2,2-Tetrachloroethane	U	0.0018	0.0058	mg/kg		8260B	03/06/15	5
1,1,2-Trichlorotrifluoroethane	U	0.0018	0.0058	mg/kg		8260B	03/06/15	5
Tetrachloroethene	U	0.0014	0.0058	mg/kg		8260B	03/06/15	5
Toluene	U	0.0022	0.029	mg/kg		8260B	03/06/15	5
1,2,3-Trichlorobenzene	U	0.0015	0.0058	mg/kg		8260B	03/06/15	5
1,2,4-Trichlorobenzene	U	0.0019	0.0058	mg/kg		8260B	03/06/15	5
1,1,1-Trichloroethane	U	0.0014	0.0058	mg/kg		8260B	03/06/15	5
1,1,2-Trichloroethane	U	0.0014	0.0058	mg/kg		8260B	03/06/15	5
Trichloroethene	U	0.0014	0.0058	mg/kg		8260B	03/06/15	5
Trichlorofluoromethane	U	0.0019	0.029	mg/kg		8260B	03/06/15	5
1,2,3-Trichloropropane	U	0.0037	0.014	mg/kg		8260B	03/06/15	5
1,2,4-Trimethylbenzene	U	0.0010	0.0058	mg/kg		8260B	03/06/15	5
1,2,3-Trimethylbenzene	U	0.0014	0.0058	mg/kg		8260B	03/06/15	5
Vinyl chloride	U	0.0014	0.0058	mg/kg		8260B	03/06/15	5
1,3,5-Trimethylbenzene	U	0.0013	0.0058	mg/kg		8260B	03/06/15	5
Xylenes, Total	U	0.0035	0.017	mg/kg		8260B	03/06/15	5
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	03/06/15	1
Dibromofluoromethane	108.			% Rec.		8260B	03/06/15	1
a,a,a-Trifluorotoluene	104.			% Rec.		8260B	03/06/15	1
4-Bromofluorobenzene	91.5			% Rec.		8260B	03/06/15	1
Diesel and Oil Ranges								
C10-C28 Diesel Range	U	1.6	4.6	mg/kg		8015	03/02/15	1
C28-C40 Oil Range	U	0.27	4.6	mg/kg		8015	03/02/15	1
Surrogate Recovery								
o-Terphenyl	83.3			% Rec.		8015	03/02/15	1

Results listed are dry weight basis.
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REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 06,2015

ESC Sample # : L750960-03

Date Received : February 28, 2015
Description : Sears: Brea

Site ID :

Sample ID : SB-3 3FT

Project # : 60159016 TASK: 1638

Collected By : Martin Eversaul
Collection Date : 02/25/15 17:10

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	97.3	0.0333		%		2540 G-2	03/03/15	1
TPHG C5 - C12	U	0.17	0.51	mg/kg		8015	03/02/15	5
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	103.			% Rec.		8015	03/02/15	1
Volatile Organics								
Acetone	U	0.050	0.26	mg/kg		8260B	03/06/15	5
Acrylonitrile	U	0.0090	0.051	mg/kg		8260B	03/06/15	5
Benzene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Bromobenzene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Bromodichloromethane	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
Bromoform	U	0.0021	0.0051	mg/kg		8260B	03/06/15	5
Bromomethane	U	0.0067	0.026	mg/kg		8260B	03/06/15	5
n-Butylbenzene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
sec-Butylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
tert-Butylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
Carbon disulfide	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Carbon tetrachloride	U	0.0016	0.0051	mg/kg		8260B	03/06/15	5
Chlorobenzene	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Chlorodibromomethane	U	0.0019	0.0051	mg/kg		8260B	03/06/15	5
Chloroethane	U	0.0047	0.026	mg/kg	J4	8260B	03/06/15	5
2-Chloroethyl vinyl ether	U	0.012	0.26	mg/kg	J4	8260B	03/06/15	5
Chloroform	U	0.0011	0.026	mg/kg		8260B	03/06/15	5
Chloromethane	U	0.0019	0.013	mg/kg		8260B	03/06/15	5
2-Chlorotoluene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
4-Chlorotoluene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dibromo-3-Chloropropane	U	0.0052	0.026	mg/kg		8260B	03/06/15	5
1,2-Dibromoethane	U	0.0017	0.0051	mg/kg		8260B	03/06/15	5
Dibromomethane	U	0.0019	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dichlorobenzene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
1,3-Dichlorobenzene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
1,4-Dichlorobenzene	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Dichlorodifluoromethane	U	0.0036	0.026	mg/kg		8260B	03/06/15	5
1,1-Dichloroethane	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dichloroethane	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
1,1-Dichloroethene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
cis-1,2-Dichloroethene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
trans-1,2-Dichloroethene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dichloropropane	U	0.0018	0.0051	mg/kg		8260B	03/06/15	5
1,1-Dichloropropene	U	0.0016	0.0051	mg/kg		8260B	03/06/15	5
1,3-Dichloropropane	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
cis-1,3-Dichloropropene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 06,2015

ESC Sample # : L750960-03

Date Received : February 28, 2015
Description : Sears: Brea

Site ID :

Sample ID : SB-3 3FT

Project # : 60159016 TASK: 1638

Collected By : Martin Eversaul
Collection Date : 02/25/15 17:10

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
trans-1,3-Dichloropropene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
2,2-Dichloropropane	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Di-isopropyl ether	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
Ethylbenzene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
Hexachloro-1,3-butadiene	U	0.0017	0.0051	mg/kg		8260B	03/06/15	5
Isopropylbenzene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
p-Isopropyltoluene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
2-Butanone (MEK)	U	0.023	0.051	mg/kg		8260B	03/06/15	5
Methylene Chloride	U	0.0050	0.026	mg/kg		8260B	03/06/15	5
4-Methyl-2-pentanone (MIBK)	U	0.0094	0.051	mg/kg		8260B	03/06/15	5
Methyl tert-butyl ether	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Naphthalene	U	0.0050	0.026	mg/kg		8260B	03/06/15	5
n-Propylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
Styrene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
1,1,1,2-Tetrachloroethane	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
1,1,2,2-Tetrachloroethane	U	0.0018	0.0051	mg/kg		8260B	03/06/15	5
1,1,2-Trichlorotrifluoroethane	U	0.0018	0.0051	mg/kg		8260B	03/06/15	5
Tetrachloroethene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Toluene	U	0.0022	0.026	mg/kg		8260B	03/06/15	5
1,2,3-Trichlorobenzene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
1,2,4-Trichlorobenzene	U	0.0019	0.0051	mg/kg		8260B	03/06/15	5
1,1,1-Trichloroethane	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
1,1,2-Trichloroethane	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Trichloroethene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Trichlorofluoromethane	U	0.0019	0.026	mg/kg		8260B	03/06/15	5
1,2,3-Trichloropropane	U	0.0037	0.013	mg/kg		8260B	03/06/15	5
1,2,4-Trimethylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
1,2,3-Trimethylbenzene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Vinyl chloride	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
1,3,5-Trimethylbenzene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
Xylenes, Total	U	0.0035	0.015	mg/kg		8260B	03/06/15	5
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	03/06/15	1
Dibromofluoromethane	107.			% Rec.		8260B	03/06/15	1
a,a,a-Trifluorotoluene	104.			% Rec.		8260B	03/06/15	1
4-Bromofluorobenzene	92.4			% Rec.		8260B	03/06/15	1
Diesel and Oil Ranges								
C10-C28 Diesel Range	U	1.6	4.1	mg/kg		8015	03/02/15	1
C28-C40 Oil Range	U	0.27	4.1	mg/kg		8015	03/02/15	1
Surrogate Recovery								
o-Terphenyl	85.8			% Rec.		8015	03/02/15	1

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REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 06,2015

Date Received : February 28, 2015
Description : Sears: Brea

Sample ID : SB-4 8FT

Collected By : Martin Eversaul
Collection Date : 02/26/15 14:40

ESC Sample # : L750960-04

Site ID :

Project # : 60159016 TASK: 1638

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	98.3	0.0333		%		2540 G-2	03/03/15	1
TPHG C5 - C12	U	0.17	0.51	mg/kg		8015	03/02/15	5
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8015	03/02/15	1
Volatile Organics								
Acetone	U	0.050	0.25	mg/kg		8260B	03/06/15	5
Acrylonitrile	U	0.0090	0.051	mg/kg		8260B	03/06/15	5
Benzene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Bromobenzene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Bromodichloromethane	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
Bromoform	U	0.0021	0.0051	mg/kg		8260B	03/06/15	5
Bromomethane	U	0.0067	0.025	mg/kg		8260B	03/06/15	5
n-Butylbenzene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
sec-Butylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
tert-Butylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
Carbon disulfide	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Carbon tetrachloride	U	0.0016	0.0051	mg/kg		8260B	03/06/15	5
Chlorobenzene	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Chlorodibromomethane	U	0.0019	0.0051	mg/kg		8260B	03/06/15	5
Chloroethane	U	0.0047	0.025	mg/kg	J4	8260B	03/06/15	5
2-Chloroethyl vinyl ether	U	0.012	0.25	mg/kg	J4	8260B	03/06/15	5
Chloroform	U	0.0011	0.025	mg/kg		8260B	03/06/15	5
Chloromethane	U	0.0019	0.013	mg/kg		8260B	03/06/15	5
2-Chlorotoluene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
4-Chlorotoluene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dibromo-3-Chloropropane	U	0.0052	0.025	mg/kg		8260B	03/06/15	5
1,2-Dibromoethane	U	0.0017	0.0051	mg/kg		8260B	03/06/15	5
Dibromomethane	U	0.0019	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dichlorobenzene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
1,3-Dichlorobenzene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
1,4-Dichlorobenzene	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Dichlorodifluoromethane	U	0.0036	0.025	mg/kg		8260B	03/06/15	5
1,1-Dichloroethane	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dichloroethane	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
1,1-Dichloroethene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
cis-1,2-Dichloroethene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
trans-1,2-Dichloroethene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dichloropropane	U	0.0018	0.0051	mg/kg		8260B	03/06/15	5
1,1-Dichloropropene	U	0.0016	0.0051	mg/kg		8260B	03/06/15	5
1,3-Dichloropropane	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
cis-1,3-Dichloropropene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 06,2015

ESC Sample # : L750960-04

Date Received : February 28, 2015
Description : Sears: Brea

Site ID :

Sample ID : SB-4 8FT

Project # : 60159016 TASK: 1638

Collected By : Martin Eversaul
Collection Date : 02/26/15 14:40

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
trans-1,3-Dichloropropene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
2,2-Dichloropropane	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Di-isopropyl ether	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
Ethylbenzene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
Hexachloro-1,3-butadiene	U	0.0017	0.0051	mg/kg		8260B	03/06/15	5
Isopropylbenzene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
p-Isopropyltoluene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
2-Butanone (MEK)	U	0.023	0.051	mg/kg		8260B	03/06/15	5
Methylene Chloride	U	0.0050	0.025	mg/kg		8260B	03/06/15	5
4-Methyl-2-pentanone (MIBK)	U	0.0094	0.051	mg/kg		8260B	03/06/15	5
Methyl tert-butyl ether	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Naphthalene	U	0.0050	0.025	mg/kg		8260B	03/06/15	5
n-Propylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
Styrene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
1,1,1,2-Tetrachloroethane	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
1,1,2,2-Tetrachloroethane	U	0.0018	0.0051	mg/kg		8260B	03/06/15	5
1,1,2-Trichlorotrifluoroethane	U	0.0018	0.0051	mg/kg		8260B	03/06/15	5
Tetrachloroethene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Toluene	U	0.0022	0.025	mg/kg		8260B	03/06/15	5
1,2,3-Trichlorobenzene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
1,2,4-Trichlorobenzene	U	0.0019	0.0051	mg/kg		8260B	03/06/15	5
1,1,1-Trichloroethane	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
1,1,2-Trichloroethane	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Trichloroethene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Trichlorofluoromethane	U	0.0019	0.025	mg/kg		8260B	03/06/15	5
1,2,3-Trichloropropane	U	0.0037	0.013	mg/kg		8260B	03/06/15	5
1,2,4-Trimethylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
1,2,3-Trimethylbenzene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Vinyl chloride	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
1,3,5-Trimethylbenzene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
Xylenes, Total	U	0.0035	0.015	mg/kg		8260B	03/06/15	5
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	03/06/15	1
Dibromofluoromethane	108.			% Rec.		8260B	03/06/15	1
a,a,a-Trifluorotoluene	103.			% Rec.		8260B	03/06/15	1
4-Bromofluorobenzene	90.3			% Rec.		8260B	03/06/15	1
Diesel and Oil Ranges								
C10-C28 Diesel Range	1.8	1.6	4.1	mg/kg	J	8015	03/02/15	1
C28-C40 Oil Range	0.47	0.27	4.1	mg/kg	J	8015	03/02/15	1
Surrogate Recovery								
o-Terphenyl	81.3			% Rec.		8015	03/02/15	1

Results listed are dry weight basis.
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 06,2015

Date Received : February 28, 2015
Description : Sears: Brea

Sample ID : SB-5 8FT

Collected By : Martin Eversaul
Collection Date : 02/26/15 16:00

ESC Sample # : L750960-05

Site ID :

Project # : 60159016 TASK: 1638

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	98.0	0.0333		%		2540 G-2	03/03/15	1
TPHG C5 - C12	U	0.17	0.51	mg/kg		8015	03/02/15	5
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8015	03/02/15	1
Volatile Organics								
Acetone	U	0.050	0.26	mg/kg		8260B	03/06/15	5
Acrylonitrile	U	0.0090	0.051	mg/kg		8260B	03/06/15	5
Benzene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Bromobenzene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Bromodichloromethane	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
Bromoform	U	0.0021	0.0051	mg/kg		8260B	03/06/15	5
Bromomethane	U	0.0067	0.026	mg/kg		8260B	03/06/15	5
n-Butylbenzene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
sec-Butylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
tert-Butylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
Carbon disulfide	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Carbon tetrachloride	U	0.0016	0.0051	mg/kg		8260B	03/06/15	5
Chlorobenzene	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Chlorodibromomethane	U	0.0019	0.0051	mg/kg		8260B	03/06/15	5
Chloroethane	U	0.0047	0.026	mg/kg	J4	8260B	03/06/15	5
2-Chloroethyl vinyl ether	U	0.012	0.26	mg/kg	J4	8260B	03/06/15	5
Chloroform	U	0.0011	0.026	mg/kg		8260B	03/06/15	5
Chloromethane	U	0.0019	0.013	mg/kg		8260B	03/06/15	5
2-Chlorotoluene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
4-Chlorotoluene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dibromo-3-Chloropropane	U	0.0052	0.026	mg/kg		8260B	03/06/15	5
1,2-Dibromoethane	U	0.0017	0.0051	mg/kg		8260B	03/06/15	5
Dibromomethane	U	0.0019	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dichlorobenzene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
1,3-Dichlorobenzene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
1,4-Dichlorobenzene	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Dichlorodifluoromethane	U	0.0036	0.026	mg/kg		8260B	03/06/15	5
1,1-Dichloroethane	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dichloroethane	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
1,1-Dichloroethene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
cis-1,2-Dichloroethene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
trans-1,2-Dichloroethene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
1,2-Dichloropropane	U	0.0018	0.0051	mg/kg		8260B	03/06/15	5
1,1-Dichloropropene	U	0.0016	0.0051	mg/kg		8260B	03/06/15	5
1,3-Dichloropropane	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
cis-1,3-Dichloropropene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 06,2015

ESC Sample # : L750960-05

Date Received : February 28, 2015
Description : Sears: Brea

Site ID :

Sample ID : SB-5 8FT

Project # : 60159016 TASK: 1638

Collected By : Martin Eversaul
Collection Date : 02/26/15 16:00

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
trans-1,3-Dichloropropene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
2,2-Dichloropropane	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Di-isopropyl ether	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
Ethylbenzene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
Hexachloro-1,3-butadiene	U	0.0017	0.0051	mg/kg		8260B	03/06/15	5
Isopropylbenzene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
p-Isopropyltoluene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
2-Butanone (MEK)	U	0.023	0.051	mg/kg		8260B	03/06/15	5
Methylene Chloride	U	0.0050	0.026	mg/kg		8260B	03/06/15	5
4-Methyl-2-pentanone (MIBK)	U	0.0094	0.051	mg/kg		8260B	03/06/15	5
Methyl tert-butyl ether	U	0.0011	0.0051	mg/kg		8260B	03/06/15	5
Naphthalene	U	0.0050	0.026	mg/kg		8260B	03/06/15	5
n-Propylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
Styrene	U	0.0012	0.0051	mg/kg		8260B	03/06/15	5
1,1,1,2-Tetrachloroethane	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
1,1,2,2-Tetrachloroethane	U	0.0018	0.0051	mg/kg		8260B	03/06/15	5
1,1,2-Trichlorotrifluoroethane	U	0.0018	0.0051	mg/kg		8260B	03/06/15	5
Tetrachloroethene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Toluene	U	0.0022	0.026	mg/kg		8260B	03/06/15	5
1,2,3-Trichlorobenzene	U	0.0015	0.0051	mg/kg		8260B	03/06/15	5
1,2,4-Trichlorobenzene	U	0.0019	0.0051	mg/kg		8260B	03/06/15	5
1,1,1-Trichloroethane	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
1,1,2-Trichloroethane	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Trichloroethene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Trichlorofluoromethane	U	0.0019	0.026	mg/kg		8260B	03/06/15	5
1,2,3-Trichloropropane	U	0.0037	0.013	mg/kg		8260B	03/06/15	5
1,2,4-Trimethylbenzene	U	0.0010	0.0051	mg/kg		8260B	03/06/15	5
1,2,3-Trimethylbenzene	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
Vinyl chloride	U	0.0014	0.0051	mg/kg		8260B	03/06/15	5
1,3,5-Trimethylbenzene	U	0.0013	0.0051	mg/kg		8260B	03/06/15	5
Xylenes, Total	U	0.0035	0.015	mg/kg		8260B	03/06/15	5
Surrogate Recovery								
Toluene-d8	102.			% Rec.		8260B	03/06/15	1
Dibromofluoromethane	109.			% Rec.		8260B	03/06/15	1
a,a,a-Trifluorotoluene	103.			% Rec.		8260B	03/06/15	1
4-Bromofluorobenzene	92.4			% Rec.		8260B	03/06/15	1
Diesel and Oil Ranges								
C10-C28 Diesel Range	U	1.6	4.1	mg/kg		8015	03/02/15	1
C28-C40 Oil Range	U	0.27	4.1	mg/kg		8015	03/02/15	1
Surrogate Recovery								
o-Terphenyl	86.2			% Rec.		8015	03/02/15	1

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REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 06,2015

ESC Sample # : L750960-06

Date Received : February 28, 2015
Description : Sears: Brea

Site ID :

Sample ID : SB-6 8FT

Project # : 60159016 TASK: 1638

Collected By : Martin Eversaul
Collection Date : 02/26/15 16:30

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	96.9	0.0333		%		2540 G-2	03/03/15	1
TPHG C5 - C12	U	0.17	0.52	mg/kg		8015	03/02/15	5
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8015	03/02/15	1
Volatile Organics								
Acetone	U	0.050	0.26	mg/kg		8260B	03/06/15	5
Acrylonitrile	U	0.0090	0.052	mg/kg		8260B	03/06/15	5
Benzene	U	0.0014	0.0052	mg/kg		8260B	03/06/15	5
Bromobenzene	U	0.0014	0.0052	mg/kg		8260B	03/06/15	5
Bromodichloromethane	U	0.0013	0.0052	mg/kg		8260B	03/06/15	5
Bromoform	U	0.0021	0.0052	mg/kg		8260B	03/06/15	5
Bromomethane	U	0.0067	0.026	mg/kg		8260B	03/06/15	5
n-Butylbenzene	U	0.0013	0.0052	mg/kg		8260B	03/06/15	5
sec-Butylbenzene	U	0.0010	0.0052	mg/kg		8260B	03/06/15	5
tert-Butylbenzene	U	0.0010	0.0052	mg/kg		8260B	03/06/15	5
Carbon disulfide	U	0.0011	0.0052	mg/kg		8260B	03/06/15	5
Carbon tetrachloride	U	0.0016	0.0052	mg/kg		8260B	03/06/15	5
Chlorobenzene	U	0.0011	0.0052	mg/kg		8260B	03/06/15	5
Chlorodibromomethane	U	0.0019	0.0052	mg/kg		8260B	03/06/15	5
Chloroethane	U	0.0047	0.026	mg/kg	J4	8260B	03/06/15	5
2-Chloroethyl vinyl ether	U	0.012	0.26	mg/kg	J4	8260B	03/06/15	5
Chloroform	U	0.0011	0.026	mg/kg		8260B	03/06/15	5
Chloromethane	U	0.0019	0.013	mg/kg		8260B	03/06/15	5
2-Chlorotoluene	U	0.0015	0.0052	mg/kg		8260B	03/06/15	5
4-Chlorotoluene	U	0.0012	0.0052	mg/kg		8260B	03/06/15	5
1,2-Dibromo-3-Chloropropane	U	0.0052	0.026	mg/kg		8260B	03/06/15	5
1,2-Dibromoethane	U	0.0017	0.0052	mg/kg		8260B	03/06/15	5
Dibromomethane	U	0.0019	0.0052	mg/kg		8260B	03/06/15	5
1,2-Dichlorobenzene	U	0.0015	0.0052	mg/kg		8260B	03/06/15	5
1,3-Dichlorobenzene	U	0.0012	0.0052	mg/kg		8260B	03/06/15	5
1,4-Dichlorobenzene	U	0.0011	0.0052	mg/kg		8260B	03/06/15	5
Dichlorodifluoromethane	U	0.0036	0.026	mg/kg		8260B	03/06/15	5
1,1-Dichloroethane	U	0.0010	0.0052	mg/kg		8260B	03/06/15	5
1,2-Dichloroethane	U	0.0013	0.0052	mg/kg		8260B	03/06/15	5
1,1-Dichloroethene	U	0.0015	0.0052	mg/kg		8260B	03/06/15	5
cis-1,2-Dichloroethene	U	0.0012	0.0052	mg/kg		8260B	03/06/15	5
trans-1,2-Dichloroethene	U	0.0013	0.0052	mg/kg		8260B	03/06/15	5
1,2-Dichloropropane	U	0.0018	0.0052	mg/kg		8260B	03/06/15	5
1,1-Dichloropropene	U	0.0016	0.0052	mg/kg		8260B	03/06/15	5
1,3-Dichloropropane	U	0.0010	0.0052	mg/kg		8260B	03/06/15	5
cis-1,3-Dichloropropene	U	0.0013	0.0052	mg/kg		8260B	03/06/15	5

Results listed are dry weight basis.
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RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 06,2015

ESC Sample # : L750960-06

Date Received : February 28, 2015
Description : Sears: Brea

Site ID :

Sample ID : SB-6 8FT

Project # : 60159016 TASK: 1638

Collected By : Martin Eversaul
Collection Date : 02/26/15 16:30

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
trans-1,3-Dichloropropene	U	0.0013	0.0052	mg/kg		8260B	03/06/15	5
2,2-Dichloropropane	U	0.0014	0.0052	mg/kg		8260B	03/06/15	5
Di-isopropyl ether	U	0.0012	0.0052	mg/kg		8260B	03/06/15	5
Ethylbenzene	U	0.0015	0.0052	mg/kg		8260B	03/06/15	5
Hexachloro-1,3-butadiene	U	0.0017	0.0052	mg/kg		8260B	03/06/15	5
Isopropylbenzene	U	0.0012	0.0052	mg/kg		8260B	03/06/15	5
p-Isopropyltoluene	U	0.0010	0.0052	mg/kg		8260B	03/06/15	5
2-Butanone (MEK)	U	0.023	0.052	mg/kg		8260B	03/06/15	5
Methylene Chloride	U	0.0050	0.026	mg/kg		8260B	03/06/15	5
4-Methyl-2-pentanone (MIBK)	U	0.0094	0.052	mg/kg		8260B	03/06/15	5
Methyl tert-butyl ether	U	0.0011	0.0052	mg/kg		8260B	03/06/15	5
Naphthalene	U	0.0050	0.026	mg/kg		8260B	03/06/15	5
n-Propylbenzene	U	0.0010	0.0052	mg/kg		8260B	03/06/15	5
Styrene	U	0.0012	0.0052	mg/kg		8260B	03/06/15	5
1,1,1,2-Tetrachloroethane	U	0.0013	0.0052	mg/kg		8260B	03/06/15	5
1,1,2,2-Tetrachloroethane	U	0.0018	0.0052	mg/kg		8260B	03/06/15	5
1,1,2-Trichlorotrifluoroethane	U	0.0018	0.0052	mg/kg		8260B	03/06/15	5
Tetrachloroethene	U	0.0014	0.0052	mg/kg		8260B	03/06/15	5
Toluene	U	0.0022	0.026	mg/kg		8260B	03/06/15	5
1,2,3-Trichlorobenzene	U	0.0015	0.0052	mg/kg		8260B	03/06/15	5
1,2,4-Trichlorobenzene	U	0.0019	0.0052	mg/kg		8260B	03/06/15	5
1,1,1-Trichloroethane	U	0.0014	0.0052	mg/kg		8260B	03/06/15	5
1,1,2-Trichloroethane	U	0.0014	0.0052	mg/kg		8260B	03/06/15	5
Trichloroethene	U	0.0014	0.0052	mg/kg		8260B	03/06/15	5
Trichlorofluoromethane	U	0.0019	0.026	mg/kg		8260B	03/06/15	5
1,2,3-Trichloropropane	U	0.0037	0.013	mg/kg		8260B	03/06/15	5
1,2,4-Trimethylbenzene	U	0.0010	0.0052	mg/kg		8260B	03/06/15	5
1,2,3-Trimethylbenzene	U	0.0014	0.0052	mg/kg		8260B	03/06/15	5
Vinyl chloride	U	0.0014	0.0052	mg/kg		8260B	03/06/15	5
1,3,5-Trimethylbenzene	U	0.0013	0.0052	mg/kg		8260B	03/06/15	5
Xylenes, Total	U	0.0035	0.015	mg/kg		8260B	03/06/15	5
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	03/06/15	1
Dibromofluoromethane	110.			% Rec.		8260B	03/06/15	1
a,a,a-Trifluorotoluene	102.			% Rec.		8260B	03/06/15	1
4-Bromofluorobenzene	92.2			% Rec.		8260B	03/06/15	1
Diesel and Oil Ranges								
C10-C28 Diesel Range	U	1.6	4.1	mg/kg		8015	03/02/15	1
C28-C40 Oil Range	U	0.27	4.1	mg/kg		8015	03/02/15	1
Surrogate Recovery								
o-Terphenyl	87.2			% Rec.		8015	03/02/15	1

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 06,2015

ESC Sample # : L750960-07

Date Received : February 28, 2015
Description : Sears: Brea

Site ID :

Sample ID : SB-7 3FT

Project # : 60159016 TASK: 1638

Collected By : Martin Eversaul
Collection Date : 02/26/15 16:45

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	93.4	0.0333		%		2540 G-2	03/03/15	1
TPHG C5 - C12	U	0.17	0.54	mg/kg		8015	03/02/15	5
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8015	03/02/15	1
Volatile Organics								
Acetone	U	0.050	0.27	mg/kg		8260B	03/06/15	5
Acrylonitrile	U	0.0090	0.054	mg/kg		8260B	03/06/15	5
Benzene	U	0.0014	0.0054	mg/kg		8260B	03/06/15	5
Bromobenzene	U	0.0014	0.0054	mg/kg		8260B	03/06/15	5
Bromodichloromethane	U	0.0013	0.0054	mg/kg		8260B	03/06/15	5
Bromoform	U	0.0021	0.0054	mg/kg		8260B	03/06/15	5
Bromomethane	U	0.0067	0.027	mg/kg		8260B	03/06/15	5
n-Butylbenzene	U	0.0013	0.0054	mg/kg		8260B	03/06/15	5
sec-Butylbenzene	U	0.0010	0.0054	mg/kg		8260B	03/06/15	5
tert-Butylbenzene	U	0.0010	0.0054	mg/kg		8260B	03/06/15	5
Carbon disulfide	U	0.0011	0.0054	mg/kg		8260B	03/06/15	5
Carbon tetrachloride	U	0.0016	0.0054	mg/kg		8260B	03/06/15	5
Chlorobenzene	U	0.0011	0.0054	mg/kg		8260B	03/06/15	5
Chlorodibromomethane	U	0.0019	0.0054	mg/kg		8260B	03/06/15	5
Chloroethane	U	0.0047	0.027	mg/kg	J4	8260B	03/06/15	5
2-Chloroethyl vinyl ether	U	0.012	0.27	mg/kg	J4	8260B	03/06/15	5
Chloroform	U	0.0011	0.027	mg/kg		8260B	03/06/15	5
Chloromethane	U	0.0019	0.013	mg/kg		8260B	03/06/15	5
2-Chlorotoluene	U	0.0015	0.0054	mg/kg		8260B	03/06/15	5
4-Chlorotoluene	U	0.0012	0.0054	mg/kg		8260B	03/06/15	5
1,2-Dibromo-3-Chloropropane	U	0.0052	0.027	mg/kg		8260B	03/06/15	5
1,2-Dibromoethane	U	0.0017	0.0054	mg/kg		8260B	03/06/15	5
Dibromomethane	U	0.0019	0.0054	mg/kg		8260B	03/06/15	5
1,2-Dichlorobenzene	U	0.0015	0.0054	mg/kg		8260B	03/06/15	5
1,3-Dichlorobenzene	U	0.0012	0.0054	mg/kg		8260B	03/06/15	5
1,4-Dichlorobenzene	U	0.0011	0.0054	mg/kg		8260B	03/06/15	5
Dichlorodifluoromethane	U	0.0036	0.027	mg/kg		8260B	03/06/15	5
1,1-Dichloroethane	U	0.0010	0.0054	mg/kg		8260B	03/06/15	5
1,2-Dichloroethane	U	0.0013	0.0054	mg/kg		8260B	03/06/15	5
1,1-Dichloroethene	U	0.0015	0.0054	mg/kg		8260B	03/06/15	5
cis-1,2-Dichloroethene	U	0.0012	0.0054	mg/kg		8260B	03/06/15	5
trans-1,2-Dichloroethene	U	0.0013	0.0054	mg/kg		8260B	03/06/15	5
1,2-Dichloropropane	U	0.0018	0.0054	mg/kg		8260B	03/06/15	5
1,1-Dichloropropene	U	0.0016	0.0054	mg/kg		8260B	03/06/15	5
1,3-Dichloropropane	U	0.0010	0.0054	mg/kg		8260B	03/06/15	5
cis-1,3-Dichloropropene	U	0.0013	0.0054	mg/kg		8260B	03/06/15	5

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REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 06,2015

ESC Sample # : L750960-07

Date Received : February 28, 2015
Description : Sears: Brea

Site ID :

Sample ID : SB-7 3FT

Project # : 60159016 TASK: 1638

Collected By : Martin Eversaul
Collection Date : 02/26/15 16:45

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
trans-1,3-Dichloropropene	U	0.0013	0.0054	mg/kg		8260B	03/06/15	5
2,2-Dichloropropane	U	0.0014	0.0054	mg/kg		8260B	03/06/15	5
Di-isopropyl ether	U	0.0012	0.0054	mg/kg		8260B	03/06/15	5
Ethylbenzene	U	0.0015	0.0054	mg/kg		8260B	03/06/15	5
Hexachloro-1,3-butadiene	U	0.0017	0.0054	mg/kg		8260B	03/06/15	5
Isopropylbenzene	U	0.0012	0.0054	mg/kg		8260B	03/06/15	5
p-Isopropyltoluene	U	0.0010	0.0054	mg/kg		8260B	03/06/15	5
2-Butanone (MEK)	U	0.023	0.054	mg/kg		8260B	03/06/15	5
Methylene Chloride	U	0.0050	0.027	mg/kg		8260B	03/06/15	5
4-Methyl-2-pentanone (MIBK)	U	0.0094	0.054	mg/kg		8260B	03/06/15	5
Methyl tert-butyl ether	U	0.0011	0.0054	mg/kg		8260B	03/06/15	5
Naphthalene	U	0.0050	0.027	mg/kg		8260B	03/06/15	5
n-Propylbenzene	U	0.0010	0.0054	mg/kg		8260B	03/06/15	5
Styrene	U	0.0012	0.0054	mg/kg		8260B	03/06/15	5
1,1,1,2-Tetrachloroethane	U	0.0013	0.0054	mg/kg		8260B	03/06/15	5
1,1,2,2-Tetrachloroethane	U	0.0018	0.0054	mg/kg		8260B	03/06/15	5
1,1,2-Trichlorotrifluoroethane	U	0.0018	0.0054	mg/kg		8260B	03/06/15	5
Tetrachloroethene	U	0.0014	0.0054	mg/kg		8260B	03/06/15	5
Toluene	U	0.0022	0.027	mg/kg		8260B	03/06/15	5
1,2,3-Trichlorobenzene	U	0.0015	0.0054	mg/kg		8260B	03/06/15	5
1,2,4-Trichlorobenzene	U	0.0019	0.0054	mg/kg		8260B	03/06/15	5
1,1,1-Trichloroethane	U	0.0014	0.0054	mg/kg		8260B	03/06/15	5
1,1,2-Trichloroethane	U	0.0014	0.0054	mg/kg		8260B	03/06/15	5
Trichloroethene	U	0.0014	0.0054	mg/kg		8260B	03/06/15	5
Trichlorofluoromethane	U	0.0019	0.027	mg/kg		8260B	03/06/15	5
1,2,3-Trichloropropane	U	0.0037	0.013	mg/kg		8260B	03/06/15	5
1,2,4-Trimethylbenzene	U	0.0010	0.0054	mg/kg		8260B	03/06/15	5
1,2,3-Trimethylbenzene	U	0.0014	0.0054	mg/kg		8260B	03/06/15	5
Vinyl chloride	U	0.0014	0.0054	mg/kg		8260B	03/06/15	5
1,3,5-Trimethylbenzene	U	0.0013	0.0054	mg/kg		8260B	03/06/15	5
Xylenes, Total	U	0.0035	0.016	mg/kg		8260B	03/06/15	5
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	03/06/15	1
Dibromofluoromethane	109.			% Rec.		8260B	03/06/15	1
a,a,a-Trifluorotoluene	102.			% Rec.		8260B	03/06/15	1
4-Bromofluorobenzene	91.1			% Rec.		8260B	03/06/15	1
Diesel and Oil Ranges								
C10-C28 Diesel Range	2.8	1.6	4.3	mg/kg	J	8015	03/02/15	1
C28-C40 Oil Range	4.7	0.27	4.3	mg/kg		8015	03/02/15	1
Surrogate Recovery								
o-Terphenyl	85.8			% Rec.		8015	03/02/15	1

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L750960-01	WG773066	SAMP	Chloroethane	R3023318	J4J5
	WG773066	SAMP	2-Chloroethyl vinyl ether	R3023318	J4
L750960-02	WG773066	SAMP	Chloroethane	R3023318	J4
	WG773066	SAMP	2-Chloroethyl vinyl ether	R3023318	J4
L750960-03	WG773066	SAMP	Chloroethane	R3023318	J4
	WG773066	SAMP	2-Chloroethyl vinyl ether	R3023318	J4
L750960-04	WG773066	SAMP	Chloroethane	R3023318	J4
	WG773066	SAMP	2-Chloroethyl vinyl ether	R3023318	J4
	WG773094	SAMP	C10-C28 Diesel Range	R3022623	J
	WG773094	SAMP	C28-C40 Oil Range	R3022623	J
L750960-05	WG773066	SAMP	Chloroethane	R3023318	J4
	WG773066	SAMP	2-Chloroethyl vinyl ether	R3023318	J4
L750960-06	WG773066	SAMP	Chloroethane	R3023318	J4
	WG773066	SAMP	2-Chloroethyl vinyl ether	R3023318	J4
L750960-07	WG773066	SAMP	Chloroethane	R3023318	J4
	WG773066	SAMP	2-Chloroethyl vinyl ether	R3023318	J4
	WG773094	SAMP	C10-C28 Diesel Range	R3022623	J

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Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

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Irvine, CA 92614

Quality Assurance Report
Level II

L750960

March 06, 2015

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
TPHG C5 - C12	< .1	mg/kg			WG773170	03/02/15 12:23
a,a,a-Trifluorotoluene(FID)		% Rec.	104.0	59-128	WG773170	03/02/15 12:23
Total Solids	< .1	%			WG773181	03/03/15 07:33
Total Solids	< .1	%			WG773179	03/03/15 07:37
C10-C28 Diesel Range	< 4	mg/kg			WG773094	03/02/15 15:10
C28-C40 Oil Range	< 4	mg/kg			WG773094	03/02/15 15:10
o-Terphenyl		% Rec.	88.30	50-150	WG773094	03/02/15 15:10
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG773066	03/06/15 09:55
1,1,1-Trichloroethane	< .001	mg/kg			WG773066	03/06/15 09:55
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG773066	03/06/15 09:55
1,1,2-Trichloroethane	< .001	mg/kg			WG773066	03/06/15 09:55
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG773066	03/06/15 09:55
1,1-Dichloroethane	< .001	mg/kg			WG773066	03/06/15 09:55
1,1-Dichloroethene	< .001	mg/kg			WG773066	03/06/15 09:55
1,1-Dichloropropene	< .001	mg/kg			WG773066	03/06/15 09:55
1,2,3-Trichlorobenzene	< .001	mg/kg			WG773066	03/06/15 09:55
1,2,3-Trichloropropane	< .0025	mg/kg			WG773066	03/06/15 09:55
1,2,3-Trimethylbenzene	< .001	mg/kg			WG773066	03/06/15 09:55
1,2,4-Trichlorobenzene	< .001	mg/kg			WG773066	03/06/15 09:55
1,2,4-Trimethylbenzene	< .001	mg/kg			WG773066	03/06/15 09:55
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG773066	03/06/15 09:55
1,2-Dibromoethane	< .001	mg/kg			WG773066	03/06/15 09:55
1,2-Dichlorobenzene	< .001	mg/kg			WG773066	03/06/15 09:55
1,2-Dichloroethane	< .001	mg/kg			WG773066	03/06/15 09:55
1,2-Dichloropropane	< .001	mg/kg			WG773066	03/06/15 09:55
1,3,5-Trimethylbenzene	< .001	mg/kg			WG773066	03/06/15 09:55
1,3-Dichlorobenzene	< .001	mg/kg			WG773066	03/06/15 09:55
1,3-Dichloropropane	< .001	mg/kg			WG773066	03/06/15 09:55
1,4-Dichlorobenzene	< .001	mg/kg			WG773066	03/06/15 09:55
2,2-Dichloropropane	< .001	mg/kg			WG773066	03/06/15 09:55
2-Butanone (MEK)	< .01	mg/kg			WG773066	03/06/15 09:55
2-Chloroethyl vinyl ether	< .05	mg/kg			WG773066	03/06/15 09:55
2-Chlorotoluene	< .001	mg/kg			WG773066	03/06/15 09:55
4-Chlorotoluene	< .001	mg/kg			WG773066	03/06/15 09:55
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG773066	03/06/15 09:55
Acetone	< .05	mg/kg			WG773066	03/06/15 09:55
Acrylonitrile	< .01	mg/kg			WG773066	03/06/15 09:55
Benzene	< .001	mg/kg			WG773066	03/06/15 09:55
Bromobenzene	< .001	mg/kg			WG773066	03/06/15 09:55
Bromodichloromethane	< .001	mg/kg			WG773066	03/06/15 09:55
Bromoform	< .001	mg/kg			WG773066	03/06/15 09:55
Bromomethane	< .005	mg/kg			WG773066	03/06/15 09:55
Carbon disulfide	< .001	mg/kg			WG773066	03/06/15 09:55
Carbon tetrachloride	< .001	mg/kg			WG773066	03/06/15 09:55
Chlorobenzene	< .001	mg/kg			WG773066	03/06/15 09:55
Chlorodibromomethane	< .001	mg/kg			WG773066	03/06/15 09:55
Chloroethane	< .005	mg/kg			WG773066	03/06/15 09:55
Chloroform	< .005	mg/kg			WG773066	03/06/15 09:55
Chloromethane	< .0025	mg/kg			WG773066	03/06/15 09:55
cis-1,2-Dichloroethene	< .001	mg/kg			WG773066	03/06/15 09:55
cis-1,3-Dichloropropene	< .001	mg/kg			WG773066	03/06/15 09:55

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L750960

March 06, 2015

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Di-isopropyl ether	< .001	mg/kg			WG773066	03/06/15 09:55
Dibromomethane	< .001	mg/kg			WG773066	03/06/15 09:55
Dichlorodifluoromethane	< .005	mg/kg			WG773066	03/06/15 09:55
Ethylbenzene	< .001	mg/kg			WG773066	03/06/15 09:55
Hexachloro-1,3-butadiene	< .001	mg/kg			WG773066	03/06/15 09:55
Isopropylbenzene	< .001	mg/kg			WG773066	03/06/15 09:55
Methyl tert-butyl ether	< .001	mg/kg			WG773066	03/06/15 09:55
Methylene Chloride	< .005	mg/kg			WG773066	03/06/15 09:55
n-Butylbenzene	< .001	mg/kg			WG773066	03/06/15 09:55
n-Propylbenzene	< .001	mg/kg			WG773066	03/06/15 09:55
Naphthalene	< .005	mg/kg			WG773066	03/06/15 09:55
p-Isopropyltoluene	< .001	mg/kg			WG773066	03/06/15 09:55
sec-Butylbenzene	< .001	mg/kg			WG773066	03/06/15 09:55
Styrene	< .001	mg/kg			WG773066	03/06/15 09:55
tert-Butylbenzene	< .001	mg/kg			WG773066	03/06/15 09:55
Tetrachloroethene	< .001	mg/kg			WG773066	03/06/15 09:55
Toluene	< .005	mg/kg			WG773066	03/06/15 09:55
trans-1,2-Dichloroethene	< .001	mg/kg			WG773066	03/06/15 09:55
trans-1,3-Dichloropropene	< .001	mg/kg			WG773066	03/06/15 09:55
Trichloroethene	< .001	mg/kg			WG773066	03/06/15 09:55
Trichlorofluoromethane	< .005	mg/kg			WG773066	03/06/15 09:55
Vinyl chloride	< .001	mg/kg			WG773066	03/06/15 09:55
Xylenes, Total	< .003	mg/kg			WG773066	03/06/15 09:55
4-Bromofluorobenzene		% Rec.	91.80	71-126	WG773066	03/06/15 09:55
Dibromofluoromethane		% Rec.	108.0	78.3-121	WG773066	03/06/15 09:55
Toluene-d8		% Rec.	102.0	88.5-111	WG773066	03/06/15 09:55
a,a,a-Trifluorotoluene		% Rec.	104.0	85-114	WG773066	03/06/15 09:55

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	63.4	64.4	1.56	5	L750961-02	WG773181
Total Solids	%	86.0	88.3	2.64	5	L751011-08	WG773179

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
TPHG C5 - C12	mg/kg	5.5	5.34	97.2	60-130	WG773170
a,a,a-Trifluorotoluene(FID)				112.0	59-128	WG773170
Total Solids	%	50	50.0	100.	85-115	WG773181
Total Solids	%	50	50.0	99.9	85-115	WG773179
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0250	100.	72.9-124	WG773066
1,1,1-Trichloroethane	mg/kg	.025	0.0251	101.	73.7-124	WG773066
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0271	108.	69.4-122	WG773066
1,1,2-Trichloroethane	mg/kg	.025	0.0235	94.0	79.1-118	WG773066
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0269	108.	70-146	WG773066
1,1-Dichloroethane	mg/kg	.025	0.0265	106.	75-124	WG773066
1,1-Dichloroethene	mg/kg	.025	0.0265	106.	70.4-129	WG773066
1,1-Dichloropropene	mg/kg	.025	0.0258	103.	74.9-124	WG773066
1,2,3-Trichlorobenzene	mg/kg	.025	0.0263	105.	69.3-131	WG773066
1,2,3-Trichloropropane	mg/kg	.025	0.0235	93.9	71.4-123	WG773066

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1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Terracon - Irvine, CA
Carl Parten
2817 McGaw Avenue

Irvine, CA 92614

Quality Assurance Report
Level II

L750960

March 06, 2015

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,2,3-Trimethylbenzene	mg/kg	.025	0.0239	95.7	73.6-113	WG773066
1,2,4-Trichlorobenzene	mg/kg	.025	0.0267	107.	71.9-137	WG773066
1,2,4-Trimethylbenzene	mg/kg	.025	0.0222	88.8	75.5-122	WG773066
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0239	95.4	62.8-133	WG773066
1,2-Dibromoethane	mg/kg	.025	0.0248	99.1	78.6-120	WG773066
1,2-Dichlorobenzene	mg/kg	.025	0.0244	97.7	78.3-118	WG773066
1,2-Dichloroethane	mg/kg	.025	0.0230	92.0	70.1-124	WG773066
1,2-Dichloropropane	mg/kg	.025	0.0274	110.	77.9-119	WG773066
1,3,5-Trimethylbenzene	mg/kg	.025	0.0230	91.9	75.9-124	WG773066
1,3-Dichlorobenzene	mg/kg	.025	0.0231	92.4	72-126	WG773066
1,3-Dichloropropane	mg/kg	.025	0.0229	91.5	79.1-117	WG773066
1,4-Dichlorobenzene	mg/kg	.025	0.0243	97.3	78.3-117	WG773066
2,2-Dichloropropane	mg/kg	.025	0.0258	103.	61.3-136	WG773066
2-Butanone (MEK)	mg/kg	.125	0.149	119.	53.7-153	WG773066
2-Chloroethyl vinyl ether	mg/kg	.125	0.0331	26.5*	37.7-157	WG773066
2-Chlorotoluene	mg/kg	.025	0.0219	87.5	75.6-121	WG773066
4-Chlorotoluene	mg/kg	.025	0.0230	91.8	77.3-120	WG773066
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.144	115.	70.4-137	WG773066
Acetone	mg/kg	.125	0.144	115.	35.1-175	WG773066
Acrylonitrile	mg/kg	.125	0.139	111.	56.4-128	WG773066
Benzene	mg/kg	.025	0.0236	94.5	77.1-121	WG773066
Bromobenzene	mg/kg	.025	0.0236	94.2	78.2-115	WG773066
Bromodichloromethane	mg/kg	.025	0.0260	104.	74.9-115	WG773066
Bromoform	mg/kg	.025	0.0258	103.	65.9-132	WG773066
Bromomethane	mg/kg	.025	0.0367	147.	48.7-165	WG773066
Carbon disulfide	mg/kg	.025	0.0250	100.	66.9-145	WG773066
Carbon tetrachloride	mg/kg	.025	0.0263	105.	70-124	WG773066
Chlorobenzene	mg/kg	.025	0.0235	94.0	79.1-119	WG773066
Chlorodibromomethane	mg/kg	.025	0.0248	99.4	73.5-121	WG773066
Chloroethane	mg/kg	.025	0.0421	168.*	66.2-132	WG773066
Chloroform	mg/kg	.025	0.0240	96.1	76.7-122	WG773066
Chloromethane	mg/kg	.025	0.0302	121.	63.4-131	WG773066
cis-1,2-Dichloroethene	mg/kg	.025	0.0253	101.	78.2-119	WG773066
cis-1,3-Dichloropropene	mg/kg	.025	0.0258	103.	79.6-120	WG773066
Di-isopropyl ether	mg/kg	.025	0.0291	116.	70.4-133	WG773066
Dibromomethane	mg/kg	.025	0.0253	101.	79.4-120	WG773066
Dichlorodifluoromethane	mg/kg	.025	0.0261	104.	57.1-137	WG773066
Ethylbenzene	mg/kg	.025	0.0232	92.7	79.7-122	WG773066
Hexachloro-1,3-butadiene	mg/kg	.025	0.0271	108.	68.2-123	WG773066
Isopropylbenzene	mg/kg	.025	0.0232	92.9	80-135	WG773066
Methyl tert-butyl ether	mg/kg	.025	0.0246	98.5	73-129	WG773066
Methylene Chloride	mg/kg	.025	0.0237	95.0	72.6-120	WG773066
n-Butylbenzene	mg/kg	.025	0.0268	107.	77.5-126	WG773066
n-Propylbenzene	mg/kg	.025	0.0238	95.3	77.9-123	WG773066
Naphthalene	mg/kg	.025	0.0238	95.4	69.8-128	WG773066
p-Isopropyltoluene	mg/kg	.025	0.0238	95.0	75.8-129	WG773066
sec-Butylbenzene	mg/kg	.025	0.0233	93.2	75.8-126	WG773066
Styrene	mg/kg	.025	0.0233	93.2	82.4-126	WG773066
tert-Butylbenzene	mg/kg	.025	0.0235	94.0	76.4-126	WG773066
Tetrachloroethene	mg/kg	.025	0.0244	97.5	73.9-125	WG773066
Toluene	mg/kg	.025	0.0242	96.9	79.7-118	WG773066
trans-1,2-Dichloroethene	mg/kg	.025	0.0258	103.	73.8-122	WG773066
trans-1,3-Dichloropropene	mg/kg	.025	0.0264	105.	75.9-124	WG773066
Trichloroethene	mg/kg	.025	0.0237	94.8	77.9-118	WG773066
Trichlorofluoromethane	mg/kg	.025	0.0294	118.	67.7-131	WG773066
Vinyl chloride	mg/kg	.025	0.0303	121.	66.7-130	WG773066
Xylenes, Total	mg/kg	.075	0.0692	92.3	78.8-121	WG773066
4-Bromofluorobenzene				94.10	71-126	WG773066
Dibromofluoromethane				108.0	78.3-121	WG773066

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Quality Assurance Report
Level II

L750960

March 06, 2015

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	RPD	Limit	Batch
Toluene-d8					104.0		88.5-111	
a,a,a-Trifluorotoluene					104.0		85-114	

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPHG C5 - C12	mg/kg	5.75	5.34	104.	60-130	7.37	20	WG773170
a,a,a-Trifluorotoluene(FID)				112.0	59-128			WG773170
1,1,1,2-Tetrachloroethane	mg/kg	0.0251	0.0250	100.	72.9-124	0.460	20	WG773066
1,1,1-Trichloroethane	mg/kg	0.0254	0.0251	102.	73.7-124	1.11	20	WG773066
1,1,2,2-Tetrachloroethane	mg/kg	0.0272	0.0271	109.	69.4-122	0.200	20	WG773066
1,1,2-Trichloroethane	mg/kg	0.0232	0.0235	93.0	79.1-118	1.15	20	WG773066
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0265	0.0269	106.	70-146	1.40	20	WG773066
1,1-Dichloroethane	mg/kg	0.0262	0.0265	105.	75-124	0.990	20	WG773066
1,1-Dichloroethene	mg/kg	0.0262	0.0265	105.	70.4-129	1.38	20	WG773066
1,1-Dichloropropene	mg/kg	0.0259	0.0258	104.	74.9-124	0.320	20	WG773066
1,2,3-Trichlorobenzene	mg/kg	0.0253	0.0263	101.	69.3-131	3.94	20	WG773066
1,2,3-Trichloropropane	mg/kg	0.0236	0.0235	94.0	71.4-123	0.590	20	WG773066
1,2,3-Trimethylbenzene	mg/kg	0.0240	0.0239	96.0	73.6-113	0.240	20	WG773066
1,2,4-Trichlorobenzene	mg/kg	0.0265	0.0267	106.	71.9-137	0.910	20	WG773066
1,2,4-Trimethylbenzene	mg/kg	0.0222	0.0222	89.0	75.5-122	0.150	20	WG773066
1,2-Dibromo-3-Chloropropane	mg/kg	0.0245	0.0239	98.0	62.8-133	2.63	20	WG773066
1,2-Dibromoethane	mg/kg	0.0244	0.0248	98.0	78.6-120	1.44	20	WG773066
1,2-Dichlorobenzene	mg/kg	0.0240	0.0244	96.0	78.3-118	1.91	20	WG773066
1,2-Dichloroethane	mg/kg	0.0227	0.0230	91.0	70.1-124	1.21	20	WG773066
1,2-Dichloropropane	mg/kg	0.0271	0.0274	108.	77.9-119	1.03	20	WG773066
1,3,5-Trimethylbenzene	mg/kg	0.0227	0.0230	91.0	75.9-124	0.990	20	WG773066
1,3-Dichlorobenzene	mg/kg	0.0226	0.0231	90.0	72-126	2.12	20	WG773066
1,3-Dichloropropane	mg/kg	0.0225	0.0229	90.0	79.1-117	1.84	20	WG773066
1,4-Dichlorobenzene	mg/kg	0.0241	0.0243	96.0	78.3-117	0.920	20	WG773066
2,2-Dichloropropane	mg/kg	0.0257	0.0258	103.	61.3-136	0.430	20	WG773066
2-Butanone (MEK)	mg/kg	0.152	0.149	121.	53.7-153	1.91	21.2	WG773066
2-Chloroethyl vinyl ether	mg/kg	0.0340	0.0331	27*	37.7-157	2.60	20	WG773066
2-Chlorotoluene	mg/kg	0.0221	0.0219	88.0	75.6-121	1.25	20	WG773066
4-Chlorotoluene	mg/kg	0.0228	0.0230	91.0	77.3-120	0.650	20	WG773066
4-Methyl-2-pentanone (MIBK)	mg/kg	0.144	0.144	115.	70.4-137	0.120	20	WG773066
Acetone	mg/kg	0.145	0.144	116.	35.1-175	0.420	26.1	WG773066
Acrylonitrile	mg/kg	0.140	0.139	112.	56.4-128	0.270	20	WG773066
Benzene	mg/kg	0.0234	0.0236	94.0	77.1-121	0.760	20	WG773066
Bromobenzene	mg/kg	0.0235	0.0236	94.0	78.2-115	0.380	20	WG773066
Bromodichloromethane	mg/kg	0.0253	0.0260	101.	74.9-115	2.75	20	WG773066
Bromoform	mg/kg	0.0259	0.0258	104.	65.9-132	0.330	20	WG773066
Bromomethane	mg/kg	0.0380	0.0367	152.	48.7-165	3.46	20	WG773066
Carbon disulfide	mg/kg	0.0246	0.0250	98.0	66.9-145	1.64	20	WG773066
Carbon tetrachloride	mg/kg	0.0261	0.0263	104.	70-124	0.980	20	WG773066
Chlorobenzene	mg/kg	0.0232	0.0235	93.0	79.1-119	1.12	20	WG773066
Chlorodibromomethane	mg/kg	0.0246	0.0248	98.0	73.5-121	0.940	20	WG773066
Chloroethane	mg/kg	0.0424	0.0421	170*	66.2-132	0.710	20	WG773066
Chloroform	mg/kg	0.0242	0.0240	97.0	76.7-122	0.700	20	WG773066
Chloromethane	mg/kg	0.0292	0.0302	117.	63.4-131	3.13	20	WG773066
cis-1,2-Dichloroethene	mg/kg	0.0248	0.0253	99.0	78.2-119	1.95	20	WG773066
cis-1,3-Dichloropropene	mg/kg	0.0252	0.0258	101.	79.6-120	2.44	20	WG773066
Di-isopropyl ether	mg/kg	0.0281	0.0291	112.	70.4-133	3.40	20	WG773066
Dibromomethane	mg/kg	0.0249	0.0253	100.	79.4-120	1.69	20	WG773066
Dichlorodifluoromethane	mg/kg	0.0256	0.0261	102.	57.1-137	1.76	20	WG773066
Ethylbenzene	mg/kg	0.0230	0.0232	92.0	79.7-122	0.680	20	WG773066
Hexachloro-1,3-butadiene	mg/kg	0.0275	0.0271	110.	68.2-123	1.34	20	WG773066

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Level II

L750960

March 06, 2015

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
Isopropylbenzene	mg/kg	0.0233	0.0232	93.0	80-135	0.220	20	WG773066
Methyl tert-butyl ether	mg/kg	0.0237	0.0246	95.0	73-129	3.94	20	WG773066
Methylene Chloride	mg/kg	0.0230	0.0237	92.0	72.6-120	3.24	20	WG773066
n-Butylbenzene	mg/kg	0.0265	0.0268	106.	77.5-126	1.13	20	WG773066
n-Propylbenzene	mg/kg	0.0237	0.0238	95.0	77.9-123	0.490	20	WG773066
Naphthalene	mg/kg	0.0240	0.0238	96.0	69.8-128	0.540	20	WG773066
p-Isopropyltoluene	mg/kg	0.0238	0.0238	95.0	75.8-129	0.0800	20	WG773066
sec-Butylbenzene	mg/kg	0.0233	0.0233	93.0	75.8-126	0.160	20	WG773066
Styrene	mg/kg	0.0230	0.0233	92.0	82.4-126	1.27	20	WG773066
tert-Butylbenzene	mg/kg	0.0233	0.0235	93.0	76.4-126	0.800	20	WG773066
Tetrachloroethene	mg/kg	0.0244	0.0244	98.0	73.9-125	0.0700	20	WG773066
Toluene	mg/kg	0.0241	0.0242	96.0	79.7-118	0.470	20	WG773066
trans-1,2-Dichloroethene	mg/kg	0.0259	0.0258	104.	73.8-122	0.360	20	WG773066
trans-1,3-Dichloropropene	mg/kg	0.0258	0.0264	103.	75.9-124	2.22	20	WG773066
Trichloroethene	mg/kg	0.0235	0.0237	94.0	77.9-118	0.850	20	WG773066
Trichlorofluoromethane	mg/kg	0.0288	0.0294	115.	67.7-131	2.11	20	WG773066
Vinyl chloride	mg/kg	0.0299	0.0303	120.	66.7-130	1.30	20	WG773066
Xylenes, Total	mg/kg	0.0689	0.0692	92.0	78.8-121	0.490	20	WG773066
4-Bromofluorobenzene				93.60	71-126			WG773066
Dibromofluoromethane				106.0	78.3-121			WG773066
Toluene-d8				103.0	88.5-111			WG773066
a,a,a-Trifluorotoluene				103.0	85-114			WG773066

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TPHG C5 - C12	mg/kg	23.3	0.0846	5.5	85.0	21.6-134	L750960-05	WG773170
a,a,a-Trifluorotoluene(FID)					110.0	59-128		WG773170
1,1,1,2-Tetrachloroethane	mg/kg	0.127	0.0	.025	100.	64-128	L750960-01	WG773066
1,1,1-Trichloroethane	mg/kg	0.129	0.0	.025	100.	58.7-134	L750960-01	WG773066
1,1,2,2-Tetrachloroethane	mg/kg	0.127	0.0	.025	100.	56-132	L750960-01	WG773066
1,1,2-Trichloroethane	mg/kg	0.123	0.0	.025	98.0	66.3-125	L750960-01	WG773066
1,1,2-Trichlorotrifluoroethane	mg/kg	0.117	0.0	.025	94.0	54.8-154	L750960-01	WG773066
1,1-Dichloroethane	mg/kg	0.137	0.0	.025	110.	58.5-132	L750960-01	WG773066
1,1-Dichloroethene	mg/kg	0.128	0.0	.025	100.	51.1-140	L750960-01	WG773066
1,1-Dichloropropene	mg/kg	0.123	0.0	.025	98.0	57.3-136	L750960-01	WG773066
1,2,3-Trichlorobenzene	mg/kg	0.112	0.0	.025	90.0	59.1-138	L750960-01	WG773066
1,2,3-Trichloropropane	mg/kg	0.122	0.0	.025	98.0	61.4-128	L750960-01	WG773066
1,2,3-Trimethylbenzene	mg/kg	0.115	0.0	.025	92.0	61.3-122	L750960-01	WG773066
1,2,4-Trichlorobenzene	mg/kg	0.107	0.0	.025	85.0	63.6-143	L750960-01	WG773066
1,2,4-Trimethylbenzene	mg/kg	0.102	0.0	.025	81.0	57.4-137	L750960-01	WG773066
1,2-Dibromo-3-Chloropropane	mg/kg	0.122	0.0	.025	98.0	57.3-136	L750960-01	WG773066
1,2-Dibromoethane	mg/kg	0.125	0.0	.025	100.	67.1-125	L750960-01	WG773066
1,2-Dichlorobenzene	mg/kg	0.114	0.0	.025	91.0	68.2-123	L750960-01	WG773066
1,2-Dichloroethane	mg/kg	0.120	0.0	.025	96.0	60-126	L750960-01	WG773066
1,2-Dichloropropane	mg/kg	0.141	0.0	.025	110.	64.2-123	L750960-01	WG773066
1,3,5-Trimethylbenzene	mg/kg	0.105	0.0	.025	84.0	63.6-132	L750960-01	WG773066
1,3-Dichlorobenzene	mg/kg	0.103	0.0	.025	83.0	63.1-131	L750960-01	WG773066
1,3-Dichloropropane	mg/kg	0.117	0.0	.025	93.0	67.9-121	L750960-01	WG773066
1,4-Dichlorobenzene	mg/kg	0.110	0.000368	.025	88.0	68.6-123	L750960-01	WG773066
2,2-Dichloropropane	mg/kg	0.124	0.0	.025	99.0	50.5-144	L750960-01	WG773066
2-Butanone (MEK)	mg/kg	0.740	0.0	.125	120.	22.4-138	L750960-01	WG773066
2-Chloroethyl vinyl ether	mg/kg	0.194	0.0	.125	31.0	10-155	L750960-01	WG773066
2-Chlorotoluene	mg/kg	0.103	0.0	.025	82.0	63.6-128	L750960-01	WG773066
4-Chlorotoluene	mg/kg	0.105	0.0	.025	84.0	65.7-127	L750960-01	WG773066
4-Methyl-2-pentanone (MIBK)	mg/kg	0.764	0.0	.125	120.	60.8-140	L750960-01	WG773066
Acetone	mg/kg	0.656	0.00428	.125	100.	10-130	L750960-01	WG773066

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Quality Assurance Report
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L750960

March 06, 2015

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Acrylonitrile	mg/kg	0.727	0.0	.125	120.	49.4-133	L750960-01	WG773066
Benzene	mg/kg	0.121	0.0	.025	97.0	54.3-133	L750960-01	WG773066
Bromobenzene	mg/kg	0.114	0.000821	.025	91.0	63.9-124	L750960-01	WG773066
Bromodichloromethane	mg/kg	0.136	0.0	.025	110.	63.9-121	L750960-01	WG773066
Bromoform	mg/kg	0.132	0.0	.025	110.	59.5-134	L750960-01	WG773066
Bromomethane	mg/kg	0.176	0.00156	.025	140.	41.7-155	L750960-01	WG773066
Carbon disulfide	mg/kg	0.110	0.000486	.025	87.0	43.3-149	L750960-01	WG773066
Carbon tetrachloride	mg/kg	0.131	0.0	.025	100.	55.7-134	L750960-01	WG773066
Chlorobenzene	mg/kg	0.114	0.0	.025	91.0	67-125	L750960-01	WG773066
Chlorodibromomethane	mg/kg	0.130	0.0	.025	100.	64.3-125	L750960-01	WG773066
Chloroethane	mg/kg	0.204	0.0	.025	160.*	51.5-136	L750960-01	WG773066
Chloroform	mg/kg	0.125	0.0	.025	100.	63-129	L750960-01	WG773066
Chloromethane	mg/kg	0.145	0.0	.025	120.	42.4-135	L750960-01	WG773066
cis-1,2-Dichloroethene	mg/kg	0.128	0.0	.025	100.	59.2-129	L750960-01	WG773066
cis-1,3-Dichloropropene	mg/kg	0.129	0.0	.025	100.	66.4-125	L750960-01	WG773066
Di-isopropyl ether	mg/kg	0.150	0.0	.025	120.	56.9-136	L750960-01	WG773066
Dibromomethane	mg/kg	0.135	0.0	.025	110.	68.2-124	L750960-01	WG773066
Dichlorodifluoromethane	mg/kg	0.116	0.0	.025	93.0	40.6-144	L750960-01	WG773066
Ethylbenzene	mg/kg	0.110	0.0	.025	88.0	61.4-133	L750960-01	WG773066
Hexachloro-1,3-butadiene	mg/kg	0.0859	0.0	.025	69.0	55.1-136	L750960-01	WG773066
Isopropylbenzene	mg/kg	0.109	0.0	.025	88.0	66.8-141	L750960-01	WG773066
Methyl tert-butyl ether	mg/kg	0.126	0.0	.025	100.	57.7-134	L750960-01	WG773066
Methylene Chloride	mg/kg	0.120	0.0	.025	96.0	58.1-122	L750960-01	WG773066
n-Butylbenzene	mg/kg	0.104	0.000387	.025	83.0	62.7-140	L750960-01	WG773066
n-Propylbenzene	mg/kg	0.106	0.0	.025	85.0	10-176	L750960-01	WG773066
Naphthalene	mg/kg	0.112	0.000921	.025	88.0	58-135	L750960-01	WG773066
p-Isopropyltoluene	mg/kg	0.0999	0.0	.025	80.0	63.2-139	L750960-01	WG773066
sec-Butylbenzene	mg/kg	0.102	0.0	.025	82.0	62.2-136	L750960-01	WG773066
Styrene	mg/kg	0.112	0.0	.025	89.0	66.8-133	L750960-01	WG773066
tert-Butylbenzene	mg/kg	0.109	0.0	.025	88.0	63.3-134	L750960-01	WG773066
Tetrachloroethene	mg/kg	0.107	0.0	.025	85.0	53-139	L750960-01	WG773066
Toluene	mg/kg	0.120	0.0	.025	96.0	61.4-130	L750960-01	WG773066
trans-1,2-Dichloroethene	mg/kg	0.125	0.0	.025	100.	56.5-129	L750960-01	WG773066
trans-1,3-Dichloropropene	mg/kg	0.130	0.0	.025	100.	64.1-128	L750960-01	WG773066
Trichloroethene	mg/kg	0.124	0.0	.025	99.0	44.1-149	L750960-01	WG773066
Trichlorofluoromethane	mg/kg	0.137	0.0	.025	110.	49.6-145	L750960-01	WG773066
Vinyl chloride	mg/kg	0.141	0.0	.025	110.	47.8-137	L750960-01	WG773066
Xylenes, Total	mg/kg	0.326	0.0	.075	87.0	63.3-131	L750960-01	WG773066
4-Bromofluorobenzene					92.40	71-126		WG773066
Dibromofluoromethane					108.0	78.3-121		WG773066
Toluene-d8					105.0	88.5-111		WG773066
a,a,a-Trifluorotoluene					102.0	85-114		WG773066

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
TPHG C5 - C12	mg/kg	23.9	23.3	86.6	21.6-134	2.32	23.9	L750960-05	WG773170
a,a,a-Trifluorotoluene(FID)				110.0	59-128				WG773170
1,1,1,2-Tetrachloroethane	mg/kg	0.126	0.127	101.	64-128	0.600	20	L750960-01	WG773066
1,1,1-Trichloroethane	mg/kg	0.129	0.129	103.	58.7-134	0.280	20	L750960-01	WG773066
1,1,2,2-Tetrachloroethane	mg/kg	0.127	0.127	101.	56-132	0.550	22.2	L750960-01	WG773066
1,1,2-Trichloroethane	mg/kg	0.122	0.123	97.7	66.3-125	0.650	20	L750960-01	WG773066
1,1,2-Trichlorotrifluoroethane	mg/kg	0.116	0.117	92.5	54.8-154	1.10	22.5	L750960-01	WG773066
1,1-Dichloroethane	mg/kg	0.134	0.137	107.	58.5-132	2.28	20	L750960-01	WG773066
1,1-Dichloroethene	mg/kg	0.129	0.128	103.	51.1-140	1.28	20.2	L750960-01	WG773066
1,1-Dichloropropene	mg/kg	0.123	0.123	98.6	57.3-136	0.450	20	L750960-01	WG773066
1,2,3-Trichlorobenzene	mg/kg	0.113	0.112	90.7	59.1-138	0.880	23.7	L750960-01	WG773066

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

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Est. 1970

Terracon - Irvine, CA
Carl Parten
2817 McGaw Avenue

Irvine, CA 92614

Quality Assurance Report
Level II

L750960

March 06, 2015

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,2,3-Trichloropropane	mg/kg	0.124	0.122	99.3	61.4-128	1.54	22.4	L750960-01	WG773066
1,2,3-Trimethylbenzene	mg/kg	0.115	0.115	91.6	61.3-122	0.130	20	L750960-01	WG773066
1,2,4-Trichlorobenzene	mg/kg	0.105	0.107	84.1	63.6-143	1.41	21.9	L750960-01	WG773066
1,2,4-Trimethylbenzene	mg/kg	0.0998	0.102	79.8	57.4-137	1.95	20	L750960-01	WG773066
1,2-Dibromo-3-Chloropropane	mg/kg	0.130	0.122	104.	57.3-136	6.30	27	L750960-01	WG773066
1,2-Dibromoethane	mg/kg	0.126	0.125	100.	67.1-125	0.740	20	L750960-01	WG773066
1,2-Dichlorobenzene	mg/kg	0.116	0.114	92.8	68.2-123	1.71	20	L750960-01	WG773066
1,2-Dichloroethane	mg/kg	0.123	0.120	98.4	60-126	2.33	20	L750960-01	WG773066
1,2-Dichloropropane	mg/kg	0.140	0.141	112.	64.2-123	0.170	20	L750960-01	WG773066
1,3,5-Trimethylbenzene	mg/kg	0.104	0.105	83.2	63.6-132	1.18	20.5	L750960-01	WG773066
1,3-Dichlorobenzene	mg/kg	0.102	0.103	81.7	63.1-131	1.07	20	L750960-01	WG773066
1,3-Dichloropropane	mg/kg	0.116	0.117	93.2	67.9-121	0.0900	20	L750960-01	WG773066
1,4-Dichlorobenzene	mg/kg	0.110	0.110	87.5	68.6-123	0.440	20	L750960-01	WG773066
2,2-Dichloropropane	mg/kg	0.122	0.124	98.0	50.5-144	1.16	21.9	L750960-01	WG773066
2-Butanone (MEK)	mg/kg	0.753	0.740	120.	22.4-138	1.69	27	L750960-01	WG773066
2-Chloroethyl vinyl ether	mg/kg	0.202	0.194	32.3	10-155	3.76	40	L750960-01	WG773066
2-Chlorotoluene	mg/kg	0.103	0.103	82.5	63.6-128	0.0300	20	L750960-01	WG773066
4-Chlorotoluene	mg/kg	0.103	0.105	82.5	65.7-127	1.49	20	L750960-01	WG773066
4-Methyl-2-pentanone (MIBK)	mg/kg	0.772	0.764	124.	60.8-140	1.12	25.1	L750960-01	WG773066
Acetone	mg/kg	0.668	0.656	106.	10-130	1.74	27.9	L750960-01	WG773066
Acrylonitrile	mg/kg	0.737	0.727	118.	49.4-133	1.47	25.3	L750960-01	WG773066
Benzene	mg/kg	0.118	0.121	94.5	54.3-133	2.60	20	L750960-01	WG773066
Bromobenzene	mg/kg	0.114	0.114	90.4	63.9-124	0.480	20	L750960-01	WG773066
Bromodichloromethane	mg/kg	0.134	0.136	107.	63.9-121	1.62	20	L750960-01	WG773066
Bromoform	mg/kg	0.133	0.132	106.	59.5-134	0.440	20.8	L750960-01	WG773066
Bromomethane	mg/kg	0.180	0.176	143.	41.7-155	2.40	20.5	L750960-01	WG773066
Carbon disulfide	mg/kg	0.109	0.110	87.1	43.3-149	0.340	21	L750960-01	WG773066
Carbon tetrachloride	mg/kg	0.132	0.131	105.	55.7-134	0.660	20.3	L750960-01	WG773066
Chlorobenzene	mg/kg	0.112	0.114	90.0	67-125	1.37	20	L750960-01	WG773066
Chlorodibromomethane	mg/kg	0.127	0.130	102.	64.3-125	2.48	20	L750960-01	WG773066
Chloroethane	mg/kg	0.199	0.204	159.*	51.5-136	2.93	20.8	L750960-01	WG773066
Chloroform	mg/kg	0.125	0.125	100.	63-129	0.540	20	L750960-01	WG773066
Chloromethane	mg/kg	0.141	0.145	113.	42.4-135	2.69	20	L750960-01	WG773066
cis-1,2-Dichloroethene	mg/kg	0.129	0.128	103.	59.2-129	0.620	20	L750960-01	WG773066
cis-1,3-Dichloropropene	mg/kg	0.127	0.129	102.	66.4-125	1.51	20	L750960-01	WG773066
Di-isopropyl ether	mg/kg	0.149	0.150	119.	56.9-136	0.790	20	L750960-01	WG773066
Dibromomethane	mg/kg	0.134	0.135	107.	68.2-124	0.850	20	L750960-01	WG773066
Dichlorodifluoromethane	mg/kg	0.118	0.116	94.1	40.6-144	1.35	20.2	L750960-01	WG773066
Ethylbenzene	mg/kg	0.109	0.110	87.6	61.4-133	0.320	20	L750960-01	WG773066
Hexachloro-1,3-butadiene	mg/kg	0.101	0.0859	80.5	55.1-136	15.7	23.6	L750960-01	WG773066
Isopropylbenzene	mg/kg	0.109	0.109	87.4	66.8-141	0.210	20	L750960-01	WG773066
Methyl tert-butyl ether	mg/kg	0.127	0.126	102.	57.7-134	0.810	20	L750960-01	WG773066
Methylene Chloride	mg/kg	0.119	0.120	95.0	58.1-122	0.920	20	L750960-01	WG773066
n-Butylbenzene	mg/kg	0.105	0.104	83.6	62.7-140	0.440	20	L750960-01	WG773066
n-Propylbenzene	mg/kg	0.105	0.106	84.1	10-176	0.890	26.6	L750960-01	WG773066
Naphthalene	mg/kg	0.118	0.112	94.0	58-135	5.99	25.5	L750960-01	WG773066
p-Isopropyltoluene	mg/kg	0.0998	0.0999	79.8	63.2-139	0.110	20.4	L750960-01	WG773066
sec-Butylbenzene	mg/kg	0.104	0.102	83.3	62.2-136	1.85	20.3	L750960-01	WG773066
Styrene	mg/kg	0.111	0.112	88.7	66.8-133	0.810	20	L750960-01	WG773066
tert-Butylbenzene	mg/kg	0.111	0.109	88.7	63.3-134	1.28	20.3	L750960-01	WG773066
Tetrachloroethene	mg/kg	0.105	0.107	84.4	53-139	1.02	20	L750960-01	WG773066
Toluene	mg/kg	0.119	0.120	95.2	61.4-130	1.20	20	L750960-01	WG773066
trans-1,2-Dichloroethene	mg/kg	0.123	0.125	98.4	56.5-129	1.30	20	L750960-01	WG773066
trans-1,3-Dichloropropene	mg/kg	0.130	0.130	104.	64.1-128	0.160	20	L750960-01	WG773066
Trichloroethene	mg/kg	0.123	0.124	98.6	44.1-149	0.700	20	L750960-01	WG773066
Trichlorofluoromethane	mg/kg	0.137	0.137	109.	49.6-145	0.0400	21.2	L750960-01	WG773066
Vinyl chloride	mg/kg	0.142	0.141	114.	47.8-137	0.870	20	L750960-01	WG773066
Xylenes, Total	mg/kg	0.323	0.326	86.2	63.3-131	0.840	20	L750960-01	WG773066
4-Bromofluorobenzene				93.10	71-126				WG773066

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

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Est. 1970

Terracon - Irvine, CA
Carl Parten
2817 McGaw Avenue

Irvine, CA 92614

Quality Assurance Report
Level II

L750960

March 06, 2015

Analyte	Units	Matrix Spike Duplicate MSD Ref %Rec	Limit	RPD	Limit	Ref Samp	Batch
Dibromofluoromethane		108.0	78.3-121				
Toluene-d8		105.0	88.5-111				
a,a,a-Trifluorotoluene		103.0	85-114				

Batch number /Run number / Sample number cross reference

WG773170: R3022534: L750960-01 02 03 04 05 06 07
WG773181: R3022595: L750960-07
WG773179: R3022596: L750960-01 02 03 04 05 06
WG773094: R3022623: L750960-01 02 03 04 05 06 07
WG773066: R3023318: L750960-01 02 03 04 05 06 07

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* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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L750960

March 06, 2015

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

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Fax (615) 758-5859

Tax I.D. 62-0814289

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Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

Report Summary

Thursday March 19, 2015

Report Number: L754230
Samples Received: 02/28/15
Client Project: 60159016 TASK: 1638

Description: Sears: Brea

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Jarred Willis

Jarred Willis , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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Fax (615) 758-5859

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REPORT OF ANALYSIS

Carl Parten
Terracon - Irvine, CA
2817 McGaw Avenue
Irvine, CA 92614

March 19,2015

Date Received : February 28, 2015
Description : Sears: Brea

Sample ID : SB-7 3FT

Collected By : Martin Eversaul
Collection Date : 02/26/15 16:45

ESC Sample # : L754230-01

Site ID :

Project # : 60159016 TASK: 1638

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	93.4	0.0333		%		2540 G-2	03/03/15	1
Mercury	0.0088	0.0028	0.021	mg/kg	J	7471A	03/19/15	1
Antimony	U	0.75	2.1	mg/kg		6010B	03/19/15	1
Arsenic	2.0	0.65	2.1	mg/kg	J	6010B	03/19/15	1
Barium	36.	0.17	0.54	mg/kg		6010B	03/19/15	1
Beryllium	U	0.070	0.21	mg/kg		6010B	03/19/15	1
Cadmium	0.43	0.070	0.54	mg/kg	J	6010B	03/19/15	1
Chromium	5.9	0.14	1.1	mg/kg		6010B	03/19/15	1
Cobalt	3.1	0.23	1.1	mg/kg		6010B	03/19/15	1
Copper	4.3	0.53	2.1	mg/kg		6010B	03/19/15	1
Lead	2.2	0.19	0.54	mg/kg		6010B	03/19/15	1
Molybdenum	1.2	0.16	0.54	mg/kg		6010B	03/19/15	1
Nickel	8.2	0.49	2.1	mg/kg		6010B	03/19/15	1
Selenium	U	0.74	2.1	mg/kg		6010B	03/19/15	1
Silver	U	0.28	1.1	mg/kg		6010B	03/19/15	1
Thallium	U	0.65	2.1	mg/kg		6010B	03/19/15	1
Vanadium	16.	0.24	2.1	mg/kg		6010B	03/19/15	1
Zinc	15.	0.59	5.4	mg/kg		6010B	03/19/15	1

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Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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The reported analytical results relate only to the sample submitted
Reported: 03/19/15 16:21 Printed: 03/19/15 16:21

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L754230-01	WG776657	SAMP	Arsenic	R3025734	J
	WG776657	SAMP	Cadmium	R3025734	J
	WG776672	SAMP	Mercury	R3025579	J

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Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

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12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

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Carl Parten
2817 McGaw Avenue

Irvine, CA 92614

Quality Assurance Report
Level II

L754230

March 19, 2015

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Total Solids	< .1	%			WG773181	03/03/15 07:33
Mercury	< .02	mg/kg			WG776672	03/19/15 07:38
Antimony	< 2	mg/kg			WG776657	03/19/15 12:43
Arsenic	< 2	mg/kg			WG776657	03/19/15 12:43
Barium	< .5	mg/kg			WG776657	03/19/15 12:43
Beryllium	< .2	mg/kg			WG776657	03/19/15 12:43
Cadmium	< .5	mg/kg			WG776657	03/19/15 12:43
Chromium	< 1	mg/kg			WG776657	03/19/15 12:43
Cobalt	< 1	mg/kg			WG776657	03/19/15 12:43
Copper	< 2	mg/kg			WG776657	03/19/15 12:43
Lead	< .5	mg/kg			WG776657	03/19/15 12:43
Molybdenum	< .5	mg/kg			WG776657	03/19/15 12:43
Nickel	< 2	mg/kg			WG776657	03/19/15 12:43
Selenium	< 2	mg/kg			WG776657	03/19/15 12:43
Silver	< 1	mg/kg			WG776657	03/19/15 12:43
Thallium	< 2	mg/kg			WG776657	03/19/15 12:43
Vanadium	< 2	mg/kg			WG776657	03/19/15 12:43
Zinc	< 5	mg/kg			WG776657	03/19/15 12:43

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	63.4	64.4	1.56	5	L750961-02	WG773181

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Total Solids	%	50	50.0	100.	85-115	WG773181
Mercury	mg/kg	.458	0.497	109.	80-120	WG776672
Antimony	mg/kg	100	88.8	89.0	80-120	WG776657
Arsenic	mg/kg	100	91.5	92.0	80-120	WG776657
Barium	mg/kg	100	93.2	93.0	80-120	WG776657
Beryllium	mg/kg	100	91.1	91.0	80-120	WG776657
Cadmium	mg/kg	100	93.7	94.0	80-120	WG776657
Chromium	mg/kg	100	95.3	95.0	80-120	WG776657
Cobalt	mg/kg	100	95.8	96.0	80-120	WG776657
Copper	mg/kg	100	87.4	87.0	80-120	WG776657
Lead	mg/kg	100	96.4	96.0	80-120	WG776657
Molybdenum	mg/kg	100	90.0	90.0	80-120	WG776657
Nickel	mg/kg	100	96.1	96.0	80-120	WG776657
Selenium	mg/kg	100	92.6	93.0	80-120	WG776657
Silver	mg/kg	100	95.4	95.0	80-120	WG776657
Thallium	mg/kg	100	95.0	95.0	80-120	WG776657
Vanadium	mg/kg	100	93.2	93.0	80-120	WG776657
Zinc	mg/kg	100	93.2	93.0	80-120	WG776657

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Mercury	mg/kg	0.498	0.497	109.	80-120	0.0	20	WG776672

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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(615) 758-5858
1-800-767-5859
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		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Antimony	mg/kg	88.3	88.8	88.0	80-120	1.00	20	WG776657
Arsenic	mg/kg	91.5	91.5	91.0	80-120	0.0	20	WG776657
Barium	mg/kg	92.9	93.2	93.0	80-120	0.0	20	WG776657
Beryllium	mg/kg	91.5	91.1	92.0	80-120	0.0	20	WG776657
Cadmium	mg/kg	92.8	93.7	93.0	80-120	1.00	20	WG776657
Chromium	mg/kg	95.2	95.3	95.0	80-120	0.0	20	WG776657
Cobalt	mg/kg	95.1	95.8	95.0	80-120	1.00	20	WG776657
Copper	mg/kg	88.2	87.4	88.0	80-120	1.00	20	WG776657
Lead	mg/kg	95.6	96.4	96.0	80-120	1.00	20	WG776657
Molybdenum	mg/kg	89.6	90.0	90.0	80-120	0.0	20	WG776657
Nickel	mg/kg	94.9	96.1	95.0	80-120	1.00	20	WG776657
Selenium	mg/kg	91.9	92.6	92.0	80-120	1.00	20	WG776657
Silver	mg/kg	94.4	95.4	94.0	80-120	1.00	20	WG776657
Thallium	mg/kg	94.4	95.0	94.0	80-120	1.00	20	WG776657
Vanadium	mg/kg	93.2	93.2	93.0	80-120	0.0	20	WG776657
Zinc	mg/kg	92.0	93.2	92.0	80-120	1.00	20	WG776657

		Matrix Spike						
Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Mercury	mg/kg	0.556	0.00648	.458	120.	75-125	L754190-03	WG776672
Antimony	mg/kg	86.1	-0.0254	100	86.0	75-125	L753679-08	WG776657
Arsenic	mg/kg	102.	5.32	100	96.0	75-125	L753679-08	WG776657
Barium	mg/kg	248.	205.	100	43.0*	75-125	L753679-08	WG776657
Beryllium	mg/kg	95.6	-0.0800	100	96.0	75-125	L753679-08	WG776657
Cadmium	mg/kg	96.2	0.0478	100	96.0	75-125	L753679-08	WG776657
Chromium	mg/kg	112.	8.92	100	100.	75-125	L753679-08	WG776657
Cobalt	mg/kg	102.	3.00	100	99.0	75-125	L753679-08	WG776657
Copper	mg/kg	148.	47.9	100	100.	75-125	L753679-08	WG776657
Lead	mg/kg	123.	25.9	100	97.0	75-125	L753679-08	WG776657
Molybdenum	mg/kg	98.9	8.93	100	90.0	75-125	L753679-08	WG776657
Nickel	mg/kg	105.	5.35	100	100.	75-125	L753679-08	WG776657
Selenium	mg/kg	96.2	-0.0823	100	96.0	75-125	L753679-08	WG776657
Silver	mg/kg	97.4	-0.0267	100	97.0	75-125	L753679-08	WG776657
Thallium	mg/kg	95.3	-0.0227	100	95.0	75-125	L753679-08	WG776657
Vanadium	mg/kg	102.	6.34	100	95.0	75-125	L753679-08	WG776657
Zinc	mg/kg	478.	293.	100	180.*	75-125	L753679-08	WG776657

		Matrix Spike Duplicate							
Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Mercury	mg/kg	0.528	0.556	114.	75-125	5.00	20	L754190-03	WG776672
Antimony	mg/kg	95.1	86.1	95.1	75-125	10.0	20	L753679-08	WG776657
Arsenic	mg/kg	107.	102.	102.	75-125	5.00	20	L753679-08	WG776657
Barium	mg/kg	236.	248.	31.3*	75-125	5.00	20	L753679-08	WG776657
Beryllium	mg/kg	105.	95.6	105.	75-125	9.00	20	L753679-08	WG776657
Cadmium	mg/kg	104.	96.2	104.	75-125	8.00	20	L753679-08	WG776657
Chromium	mg/kg	117.	112.	108.	75-125	5.00	20	L753679-08	WG776657
Cobalt	mg/kg	110.	102.	107.	75-125	8.00	20	L753679-08	WG776657
Copper	mg/kg	145.	148.	97.5	75-125	1.00	20	L753679-08	WG776657
Lead	mg/kg	118.	123.	92.4	75-125	4.00	20	L753679-08	WG776657
Molybdenum	mg/kg	104.	98.9	95.4	75-125	5.00	20	L753679-08	WG776657
Nickel	mg/kg	116.	105.	111.	75-125	10.0	20	L753679-08	WG776657
Selenium	mg/kg	105.	96.2	105.	75-125	9.00	20	L753679-08	WG776657

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Mt. Juliet, TN 37122
(615) 758-5858
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Fax (615) 758-5859

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March 19, 2015

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Matrix Spike Duplicate									
Silver	mg/kg	106.	97.4	106.	75-125	8.00	20	L753679-08	WG776657
Thallium	mg/kg	104.	95.3	104.	75-125	8.00	20	L753679-08	WG776657
Vanadium	mg/kg	111.	102.	105.	75-125	9.00	20	L753679-08	WG776657
Zinc	mg/kg	369.	478.	75.2	75-125	26.0*	20	L753679-08	WG776657
Post Spike									
Serial Dilution									

Batch number /Run number / Sample number cross reference

WG773181: R3022595: L754230-01
WG776672: R3025579: L754230-01
WG776657: R3025734: L754230-01

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

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CHAIN OF CUSTODY RECORD

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Consulting Engineers & Scientists

Office Location: 60
2817 McGaw Ave, Irvine
Project Manager: L. Parten

Laboratory: ESC
Address:
Contact: Michael Naranjo
Phone: 760.859.6854
PO/SO #:

Sampler's Name: Martin Eversaul
Sampler's Signature:

Proj. No. 60159016 Task: 1638
Project Name: Sears: Brea

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Page 1 of 2

D205
02-0108

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	No/Type of Containers: VOA	A/G 1 Lt.	250 ml	P/O	Analysis Requested: VOCs 8260B	TPH 8015M	PCBs 8082 (contingent)	CAM-17 metals 6010 (contingent)	Lab Sample ID (Lab Use Only)
SS	2/25/15	16:00		X	SB-1, 3	3	5				3	X	X			L750460-01
		16:05		X	SB-1, 8	8	10									
		16:30		X	SB-2, 3	3	5					X	X			02
		16:40		X	SB-2, 8	8	10									
		17:10		X	SB-3, 3	3	5					X	X			03
		17:15		X	SB-3, 8	8	10									

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

	Date:	Time:		Date:	Time:
Relinquished by (Signature)	2/26/15	17:30	Received by: (Signature)		0910
Relinquished by (Signature)			Received by: (Signature)		
Relinquished by (Signature)			Received by: (Signature)		
Relinquished by (Signature)			Received by: (Signature)	2/28/15	09 00

NOTES:
Hold samples not marked
PCB & CAM-17 analysis contingent on VOCs & TPH results
1612760744436 9 28:40

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL. - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

Orange County Office
2817 McGaw Avenue
Irvine, California 92614
Office (949) 261-0051
Fax (949) 261-6110

3.2 5

ENVIRONMENTAL, GEOTECHNICAL AND CONSTRUCTION MATERIALS SERVICES

CHAIN OF CUSTODY RECORD

Terracon
Consulting Engineers & Scientists

Office Location: 60 2817 McGaw Ave, Irvine

Project Manager: C. Parten

Laboratory: ESC

Address:

Contact: Michael Naranjo

Phone: 760.859.6854

PO/SO #:

Sampler's Name: Martin Eversaul

Sampler's Signature:

Proj. No. 60159016 Task: 1638

Project Name: Sears: Brea

Lab use only
Due Date:

Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Page 2 of 2

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	No/Type of Containers: VOA	A/G 1 Lt.	250 ml	P/O	ANALYSIS REQUESTED: VOCs 8260B	TPH 8015M (contingent)	PCBs 8082 (contingent)	CAM-17 metals 6010/7471	Lab Sample ID (Lab Use Only)
SS	2/26/15	14:40		X	SB-4, 8	8	10				2	X	X			L750960-04
		14:50		X	SB-4, 13	13	15									05
		16:00		X	SB-5, 8	8	10					X	X			
		16:10		X	SB-5, 13	13	15									06
		16:30		X	SB-6, 8	8	10					X	X			
		16:40		X	SB-6, 13	13	15									07
		16:45		X	SB-7, 3	3	5					X	X			
		16:50		X	SB-7, 8	8	10									

Turn around time: ☑ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	2/26/15	17:30			0911
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date: 2/28/15	Time: 0900

NOTES:
Hold samples not selected
PCB & CAM-17 Analysis
contingent on VOCs & TPH results
28 ≤ 40°

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

3.2 - 5

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Irvine, California 92614
Office (949) 261-0051
Fax (949) 261-6110

L750960

ESC
L·A·B S·C·I·E·N·C·E·S

Cooler Receipt Form

Client: TerrAlcA

Cooler Received On: 2/28/15 and Opened On: 2/28/15 By: Nikki

(Signature)

Temperature of cooler when opened: 3.2 Degrees Celsius/ Was sufficient ice used: Yes ☐ No ☐

What kind of packing material was used? Bubblewrap ☑ Peanuts ☐ Other ☐ None ☐

	Yes	No	N/A
Were custody seals on outside of cooler and intact?	☐	☐	☑
Were custody papers properly filled out (ink, signed, etc.)?	☑	☐	☐
Did you sign the custody papers in the appropriate place?	☑	☐	☐
Did all bottles arrive in good condition?	☑	☐	☐
Were all bottle labels complete? (#, date, signed, pres, etc)?	☑	☐	☐
Did all bottle labels and tags agree with custody papers?	☑	☐	☐
Were correct bottles used for the analyses requested?	☑	☐	☐
Was sufficient amount of sample sent in each bottle?	☑	☐	☐
Were correct preservatives used?	☐	☐	☑
If applicable, was an observable VOA headspace present?	☐	☐	☑

Non Conformance Generated:
(See attached NCF if yes) ☐

E-558

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1638 FINAL Phase I Environmental Site Assessment

Sears Store # 1638 and Sears Auto Center # 6458

100 Brea Mall

Brea, Orange County, California

May 6, 2015

Terracon Project No. 60149256.1638/6458

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Prepared for:
Sears Holdings Management Corporation
Hoffman Estates, Illinois

Prepared by:
Terracon Consultants, Inc.
Irvine, California

Terracon

May 6, 2015

Sears Holdings Management Corporation
3333 Beverly Road, B5-462A
Hoffman Estates, IL 60179

Attn: Mr. Mike Olsen
P: (847) 286-7222
E: michael.olsen@searshc.com

Re: Phase I Environmental Site Assessment
Sears Store # 1638 and Sears Auto Center # 6458
100 Brea Mall
Brea, Orange County, California
Terracon Project No. 60149256.1638/6458

Dear Mr. Olsen:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in accordance with ASTM 1527-13 and Terracon Proposal No. PT215006 and Sears Work Order dated April 28, 2015.

If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.

Islam (Sami) R. Noaman, E.I.T
Environmental Professional

Kent Wheeler
Regional Manager

Sheila Adams
National Account Manager
Attachments

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APPENDICES

APPENDIX A	Exhibit 1 - Topographic Map, Exhibit 2 - Site Diagram, Exhibit 2A – Site Detail
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APPENDIX D	Environmental Database Information
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APPENDIX F	Credentials

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EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with Terracon Proposal No. PT215006 and Sears Work Order dated April 28, 2015, and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was conducted under the supervision or responsible charge of Islam (Sami) R. Noaman, E.I.T., Environmental Professional. Sami Noaman performed the site reconnaissance on April 30, 2015.

Findings

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is located at 100 Brea Mall, Brea, Orange County, California and consists of a two-story Sears Store and a one-story Sears Auto Center buildings identified as Sears Store # 1638 and Sears Auto Center # 6458, totaling approximately 169,000-square-foot (SF). At the time of the site reconnaissance, the site was occupied by Sears, Sears Optical, Sear Automotive Center, Sears's Key Service, Sears Watch Repair, Crystal Empress gift shop, and a seasonal tax service. On-site operations include general automotive parts sales, service and maintenance, and typical household merchandise retail.

Historical Information

Based on a review of historical information, the site consisted of undeveloped land from as early as 1898 through 1963. By 1977, the site was developed with the existing buildings and has remained relatively unchanged through the present.

The surrounding properties consisted of undeveloped scrubland from as early as 1898 through 1963. By 1977 the Brea Mall building located to the northeast of the site and associated parking lots to the southeast and southwest of the site were developed. Surrounding properties have remained relatively unchanged, with the exception of additions to the existing Brea Mall in the late 1980s and early 1990s. Indications or RECs were not identified with the adjoining properties.

Records Review

Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site was identified in the regulatory databases as Sears Auto Center, Sears-Brea, and Sears Roebuck and Co. 1638/6458/8358. Sears Roebuck Co. #1638, identified on the site was identified as Facility Index System (FINDS),

Resources Conservation and Recovery Act Small Quantity Generator (RCRA-SQG), EDR Exclusive Historical US Automotive Stations (EDR Hist Auto Stations), underground storage tank listing (UST), historical UST listing (UST), and Facility and Manifest Data listing (HAZNET). Based on a review of the EDR Hist Auto Stations listing, the site was listed as Sears Auto Center in the years 2010 and 2011. A review of the RCRA-SQG indicated the site was registered as a small quantity generator of RCRA regulated waste in 1996 and as a historical generator in the years 1994, 1995, and in 1986. Indications of reported violations or release were not reported. Based on a review of the HAZNET listing, waste streams generated on-site were not reported; however, disposal methods were identified as storage, bulking, and /or transfer off-site, with no treatment recovery. Based on review of client-provided information dated 2009 and 2011 including Hazardous Materials Business Plans, regulatory inspection reports, and various Orange County Certified Unified Program Agency (CUPA) forms, waste streams identified on-site were reported as floor detergent, liquefied gas (helium and propane), sodium hydroxide, sodium xylenesulfonate, nonyphenol etoxylate, sodium metasilicate pentahydrate, corrosive materials (acids/alkaline), parts washer solvent mixture, waste absorbent materials (shop rags), motor oil, used motor oil, waste gasoline, used antifreeze, used brake fluid, spent oil and gasoline filters, used lead waste (tire balancing), used acid batteries, tetraflouroethane, waste aerosols, waste flammable liquids, and waste oxidizers. It should be noted the site operated an automotive repairing center since 1977 through the present. A review of the HIST UST and UST listing indicated the site was equipped with a 500-gallon UST used for storing waste oil, which was installed in 1977. As discussed below, the historical UST was reportedly removed in 1988 and evidence of subsurface impact associated with the historical UST was not reported. Therefore, the 500-gallon waste oil UST does not represent an REC in connection with the site.

The remaining identified facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, anticipated depth to groundwater within the site vicinity (approximately 90 feet bgs) and/or distance from the site.

Site Reconnaissance

One emergency generator, two hydraulic elevators, four air compressors, one solid waste disposal dumpster, two solid waste compactors, one cardboard baler, two ASTs, multiple containers ranging in size from 1- to 55-gallon, Material Safety and Data Sheets (MSDS), multiple interior floor drains, three pad-mounted transformers, one solid waste dumpster, two solid waste compactors, five in-ground hydraulic lifts, an oil/water separator, and a cardboard baler were observed on site. Based on site reconnaissance observations and findings documented in the Terracon's' Phase II ESA report completed on April 17, 2015 (discussed below), RECs were not identified in connection with the site.

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Previous Reports

Petroleum Industry Consultants, Inc. (PIC) completed a letter report for the removal of a 550-gallon waste oil UST located south of the existing oil/water separator. On September 30, 1988 and subsequent to the UST removal, under the supervision of the Orange County Fire Authority and Orange County Environmental Health Department (OCEDH), PIC collected one confirmation sample from the bottom of the tank excavation at a depth of 10 feet below ground surface (P1) and one sample from the soils stockpile (SP1), generated from excavation activities. Soil samples were analyzed for total petroleum hydrocarbons (TPH). No petroleum hydrocarbons were detected in P1, while SP1 had 27 milligram per kilogram of TPH. Soil samples were not analyzed for volatile organics or metals; however, given the low concentrations of petroleum hydrocarbons observed a significant release is not suspected. The PIC letter concluded that the laboratory results indicated no significant release.

MACTEC completed the hydraulic lift system removal, documented in a report dated March 3, 2008. The report indicated removal activities were performed from July 31 to August 2, 2007. A total of eight soil samples were field screened utilizing a Petroflag® kit system at the time of the removal. These samples exhibited TPH concentrations ranging from 68 to 143 mg/kg. According to the MACTEC report, the Orange County Health Care Agency recommended threshold for TPH concentration was 1,000 mg/kg; however, MACTEC indicated the TPH threshold used in this project was 100 mg/kg. Subsequent to the lift system removal, two samples (EP-1 through EP-4) were collected from the bottom of the excavation pit and analyzed for TPH and polychlorinated biphenyls (PCBs). Analytical results indicated that TPH and PCBs concentrations were not exhibited above laboratory method detection limits. Approximately 40 gallons of hydraulic oil and 9.4 tons of excavated soil were removed and disposed off-site. Based on the analytical results, MACTEC recommended no further action.

A Phase I ESA was completed by Terracon on October 27, 2014. The Phase I ESA identified the two RECs. One associated with hydraulic lifts present at the site and one associated with the oil/water separator.

Terracon completed a Phase II ESA on April 17, 2015 to evaluate the presence or absence of contaminants associated with the RECs identified by the Phase I ESA. It should be noted that based on the findings of the Phase I ESA, an evaluation of groundwater (estimated to be at a depth of 90 feet below grade surface) was not performed during this investigation. During this investigation, a total of seven (7) soil borings (SB-1 through SB-7) were advanced to a maximum depth of approximately 15 feet bgs. Six soil borings were advanced within the auto center and one soil boring (SB-7) was advanced in the vicinity of the oil/water separator. The samples collected from the borings were analyzed for VOCs using United States Environmental Protection Agency (USEPA) Method 8260B and TPH using USEPA Method 8015M. Based on the soil sampling results, impacts to soil were not detected in the hydraulic lift areas or adjacent to the oil/water separator, and do not appear to have impacted the Sears Auto Center #6458 site and do not represent an REC to the site.

Adjoining Properties

The properties to the adjacent north consist of an asphalt-paved parking lot, the Brea shopping mall (1065 Brea Mall), and a four story parking garage and Image Auto Detailing (503 Brea Mall). The properties to the adjacent east consist of an asphalt-paved parking lot and Brea shopping mall (1065 Brea Mall) to the northeast. The properties to the adjacent south consist of an asphalt-paved parking lot followed by East Imperial Highway. The properties to the adjacent west consist of an asphalt-paved parking lot followed by South Randolph Avenue. Indications of RECs were not observed with the adjoining properties.

Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E1527-13 at 100 Brea Mall in Brea, Orange County, California, the site. RECs were not identified in connection with the site.

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
SEARS STORE # 1638 AND SEARS AUTO CENTER # 6458
100 BREA MALL
BREA, ORANGE COUNTY, CALIFORNIA

Terracon Project No. 60149256.1638/6458

May 6, 2015

1.0 INTRODUCTION

1.1 Site Description

Site Name	Sears Store # 1638 and Sears Auto Center # 6458
Site Location/Address	100 Brea Mall, Brea, Orange County, California
Land Area	Approximately 2.2-acres
Site Improvements	Improved two-story Sears Store and a one-story Sears Auto Center buildings totaling approximately 169,000 (SF).

The site location is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. A Site Diagram of the Sears Property and adjoining properties and a Site Detail of the Sears Auto Center are included as Exhibits 2 and 2A of Appendix A. Acronyms and terms used in this report are described in Appendix B.

1.2 Scope of Services

This Phase I ESA was performed in accordance with Terracon Proposal No. PT215006 and Sears Work Order dated April 28, 2015, and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, user-provided information, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance or inability to review information not received by the report date. Where

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appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot completely eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records may not have been reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations and Significant Data Gaps

Based upon the agreed-on scope of services and the ASTM E1527-13 standard, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e. evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. This ESA was further limited by the following:

An evaluation of the significance of these limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations,

or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of Sears Holdings Corporation, its subsidiaries, and affiliates. Use or reliance by any other party is prohibited without the written authorization of Sears Holdings Corporation and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon's Master Services Agreement. The limitation of liability defined in the Master Services Agreement is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E1527-13.

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1.6 Client Provided Information

Prior to the site visit, Sears Holdings Management Corporation (SHMC) was asked to provide the following user questionnaire information as described in ASTM E1527-13 Section 6.

Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Aware of any Environmental Cleanup Liens against the site.			X
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.			X
Aware of any Specialized Knowledge or Experience related to the site or nearby properties.			X
Actual Knowledge of a Significantly Lower Purchase Price because of hazardous substances or petroleum products.			NA
Commonly Known or Reasonably Ascertainable Information that is material to a release in connection with the site.			X
Obvious Indicators of Contamination at the site.			X

NA = Not applicable

A copy of the questionnaire is included in Appendix C. Terracon notes that SHMC was not aware of any additional environmental information other than what was provided in the prior reports. These reports are discussed further in Section 3.9

2.0 PHYSICAL SETTING

Physical Setting Information		Source
Topography (Refer to Appendix A for an excerpt of the Topographic Map)		
Site Elevation	Approximately 360 feet (NGVD)	USGS Topographic Map, La Habra Quadrangle, California, dated 1981, photorevised from 1964
Surface Runoff/ Topographic Gradient	Sloping towards the southwest	
Closest Surface Water	Craig Park Lake, approximately 2,934 feet south of the site	
Soil Characteristics		
Soil Type	Myford sandy loam	Orange County, CA USDA-

Physical Setting Information		Source
Description	Moderately well drained soils with 2 to 9 percent slopes. Alluvium derived from mixed. Typical soil profile beneath the site consist of stiff reddish-brown silty clay with traces clay.	NRCS Web Soil Survey issued September 19, 2014 Hydraulic Lift System Removal, Assessment and Site Remediation Report Sears Auto Center No. 6458, 100 Brea Mall, Brea, California 92821 prepared by: MACTEC, dated March 3, 2008
Geology/Hydrogeology		
Formation	Quaternary deposits (Q)	Geological Map of California, dated 2010
Description	Older alluvium, lake, playa, and terrace deposits.	
Estimated Depth to First Occurrence of Groundwater	Approximately 90 feet below grade surface (bgs).	Groundwater Elevation Contours Map for Principal Aquifer, Orange County, dated June 2012
*Hydrogeologic Gradient	Not known - may be inferred to be parallel to topographic gradient (primarily to the southwest).	

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify past uses for indications of RECs. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps

Readily available historical USGS topographic maps were reviewed to evaluate land development in connection with the site. Reviewed historical topographic maps are summarized below.

Anaheim, California, published **1898** (1:62,500)
Southern CA, California, published **1901** (1:250,000)
Corona, California, published **1902** (1:125,000)
Coyote Hills, California, published **1935** (1:31,680)
Anaheim, California, published **1942** (1:50,000)
La Habra, California, published **1950** and **1964** (1:24,000)

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La Habra, California, published **1972** and **1981** photorevised from 1964 (1:24,000)

Historical Topographic Maps

Direction	Description
Site	Undeveloped land (1898-1950); an un-paved road intersects the site (1964); road is not depicted (1972); developed with existing building (1981).
North	Undeveloped land (1898-1950); an un-paved road runs from the site to the north (1964); former un-paved road is not depicted (1972); developed with existing building to the northeast (1981).
East	Undeveloped land (1898-1902); undeveloped land followed by a creek (1935-1964); undeveloped land followed by a road (1972); developed with existing building (1981).
South	Undeveloped land (1898-1902); undeveloped land followed by a road (1935-1950); an un-paved road runs from the site to the southeast (1964); former un-paved road is not depicted and a road runs from the northeast to the southwest (1972); developed with current road (1981).
West	Undeveloped land followed by a road (1898-1902); undeveloped land followed by a road and multiple structures (1935-1972); developed with current road (1981).

3.2 Historical Aerial Photographs

Selected historical aerial photographs from the United States Geological Survey (USGS) and United States Department of Agriculture (USDA) were reviewed at approximately 10 to 15 year intervals, if readily available, to obtain information concerning the history of development on and near the site. Evaluation of these aerials may be limited by a photo's quality and scale. Selected photographs are summarized below.

USGS, 1938, 1952, 1963, 1987, 1990, 1"=500'
Fairchild, 1947, 1"=500'
Teledyne, 1977, 1"=500"
USGS/DOQQ, 1995, 1"=500"
USDA/NAIP, 2005, 2009, 2010, 2012, 1"=500"

Historical Aerial Photographs

Direction	Description
Site	Undeveloped scrubland (1938-1952); undeveloped scrubland with an un-paved road running through the site (1963); developed with existing building (1977-2012).

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Direction	Description
North	Undeveloped scrubland (1938-1952); undeveloped scrubland with an un-paved road running north and south, and an un-paved road running east and west (1963); developed with asphalt-paved parking lot to the northwest, asphalt-paved parking lot and cleared land to the north, and multi-tenant shopping mall to the northeast (1977); former cleared land is developed with shopping mall addition (1987); developed with shopping mall addition to the north and existing parking garage to the northwest (1990-2012).
East	Undeveloped scrubland followed by creek (1938-1963); developed with asphalt-paved parking lot to the southeast, multi-tenant shopping mall to the northeast, and cleared land to the east (1977); former cleared land is developed with shopping mall addition (1987-2012).
South	Undeveloped scrubland (1938-1963); developed with asphalt-paved parking lot and existing roads (1977-2012).
West	Undeveloped scrubland followed by a road and multiple structures (1938-1963); developed with asphalt-paved parking and existing road (1977-2012).

3.3 Historical City Directories

The Haines North Orange County and Haines Orange County city directories used in this study were made available through Historical Information Gatherers (HIG) (selected years reviewed: Brea Mall 1981 through 2011, Imperial Highway 1971 through 2011, State College Boulevard 1986-2011) and were reviewed at approximate five-year intervals, if readily available. Since these references are copyright protected, reproductions are not provided in this report. City directories for the site were not listed prior to 1981. The current street address for the site was identified as 100 Brea Mall, Brea, Orange County, California.

Historical City Directories

Direction	Description
Site	**100 Brea Mall-** *Sears (1981-2011);* H&R Block (2011); Miracle-Ear (2011); Crystal Empress (2011); Sears Optical (2011).
North	Multi-tenant shopping center.
East	Multi-tenant shopping center.
South	**120 Brea Mall-** The Cheesecake Factory (2006-2011). **600 Brea Mall-** Magnolia's Peach (1986-1991); Creative Concepts (1991); Cornerstone Grill (1996); Airth Gizella (2002); BJ Restaurant and Brewery (2002-2011).
West	**1039 East Imperial Highway-** Name Brands Outlet (1981); Oak Gallery (1981); MacBeth's Stained Glass and Custom Framing (1986-1996); Two Wheeler Dealer (1986-2011); Fantastic Sam's (1986); Rockit Music (2002-2011). **1045 East Imperial Highway-** Phone Center Stores (1981); Entire Computer Center (1986-1991); Boot Barn (1996); Riddle Stuart (2002); Eastwood Insurance Service (2002-2011); Elegant Nails and Spa (2006-2011).

Sears Roebuck and Co. at the site address was identified in the city directories from 1981 through 2011 and was observed at the time of the site reconnaissance. Sears was also listed in the regulatory database reports and is further discussed in Section 4.1.

3.4 Historical Fire Insurance Maps

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. Based upon inquiries to the above-listed Sanborn provider, Sanborn maps were not available for the site.

3.5 Site Ownership

Based on a review of client provided information, the current site owner is Sears Roebuck & Co. Historical review information indicated that the site has been operated/ owned by Sears from 1981 through the present.

3.6 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.7 Environmental Liens

Environmental lien records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.8 Interview Regarding Current and Historical Uses

The following individual was interviewed regarding the current and historical use of the site.

Interviewee

Interviewer	Interviewee	Title	Date/Time
Chandel L. Davis	Mr. Cliff Granier	Building Technician	April 30, 2015 / 2:00 PM

At the time of the site reconnaissance Terracon interviewed Mr. Cliff Granier, a building technician for Sears. Mr. Garcia indicated that the site is owned by Sears Roebuck & Co. and has been operating as a Sears, Sears Optical, Sears Automotive, Sears Key Services, Sears Watch Repair, Crystal Empress gift shop, and a seasonal tax service. He also stated that he was not aware of any sumps, septic tanks, water wells, grease traps, solvent baths, petroleum

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pipelines, underground tanks (USTs) on site. Mr. Granier was not aware of any pending, threatened or past environmental litigation, proceedings or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the site.

3.9 Prior Report Review

Previous environmental reports for the site were provided by the client to Terracon for review. A summary of the findings of these reports is provided below. This summary is based solely on the information provided in the referenced documents and Terracon offers no assessment regarding the quality, completeness and/or accuracy of the information provided. This information is being considered solely in the context of additional historical information made available for the site.

- Tank Removal Letter Report
  Sears Automotive
  100 Brea Mall, Brea, California 92821
  Prepared by: Petroleum Industry Consultants, Inc. (PIC)
  For: Orange County Environmental Health Department (OCEDH)
  Date: October 7, 1988

PIC completed a letter report for the removal of a 550-gallon waste oil UST located south of the existing oil/water separator. On September 30, 1988 and subsequent to the UST removal, under the supervision of the Orange County Fire Authority and OCHCA, PIC collected one confirmation sample from the bottom of the tank excavation at a depth of 10 feet below ground surface (P1) and one sample from the soils stockpile (SP1) generated from excavation activities. Soil samples were analyzed for total petroleum hydrocarbons (TPH). No petroleum hydrocarbons were detected in P1, while SP1 had 27 milligram per kilogram of TPH. Soil samples were not analyzed for volatile organics or metals; however, given the low concentrations of petroleum hydrocarbons observed a significant release is not suspected. The PIC letter concluded that the laboratory results indicated no significant release.

- Hydraulic Lift System Removal, Assessment and Site Remediation Report
  Sears Auto Center No. 6458
  100 Brea Mall, Brea, California 92821
  Prepared by: MACTEC
  For: Sears Holdings Management Corporation
  Date: March 3, 2008

MACTEC completed the hydraulic lift system removal, documented in a report dated March 3, 2008. The report indicated removal activities were performed from July 31 to August 2, 2007. A total of eight soil samples were field screened utilizing a Petroflag® kit system at the time of the removal. These samples exhibited TPH concentrations ranging from 68 to 143 mg/kg.

Subsequent to the lift system removal, two samples (EP-1 through EP-4) were collected from the bottom of the excavation pit and analyzed for TPH and polychlorinated biphenyls (PCBs). Analytical results indicated that TPH and PCBs concentrations were not present above laboratory method detection limits. Approximately 40 gallons of hydraulic oil and 9.4 tons of excavated soil were removed and disposed off-site. Based on the analytical results, MACTEC recommended no further action.

- Phase I Environmental Site Assessment
  Sears Store # 1638 and Sears Auto Center # 6458
  Prepared by: Terracon Consultants, Inc.
  For: Sears Holdings Management Corporation
  Date: October 27, 2014

A Phase I ESA was completed by Terracon on October 27, 2014. The Phase I ESA identified the two RECs. One associated with six hydraulic lifts present at the site and one associated with the Oil / Water separator.

- Phase II Environmental Site Assessment
  Sears Store # 1638 and Sears Auto Center # 6458
  Prepared by: Terracon Consultants, Inc.
  For: Sears Holdings Management Corporation
  Date: April 17, 2015

The Phase II ESA was conducted to evaluate the presence or absence of contaminants associated with the RECs identified by the Phase I ESA. It should be noted that based on the findings of the Phase I ESA, an evaluation of groundwater (estimated to be at a depth of 90 feet below grade surface) was not performed during this investigation. During this investigation, a total of seven (7) soil borings (SB-1 through SB-7) were advanced to a maximum depth of approximately 15 feet bgs. Six soil borings were advanced within the auto center and one soil boring (SB-7) was advanced in the vicinity of the oil/water separator. The samples collected from the borings were analyzed for VOCs using United States Environmental Protection Agency (USEPA) Method 8260B and TPH using USEPA Method 8015M. Based on the soil sampling results, impacts to soil were not detected in the hydraulic lift areas or adjacent to the oil/water separator, and do not appear to represent an REC to the site.

3.10 Historical Use Information Summary

Based on a review of historical information, the site consisted of undeveloped land from as early as 1898 through 1963. By 1977, the site was developed with the existing buildings and has remained relatively unchanged through the present.

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The surrounding properties consisted of undeveloped scrubland from as early as 1898 through 1963. By 1977 the Brea Mall building located to the northeast of the site and associated parking lots to the southeast and southwest of the site were developed. Surrounding properties have remained relatively unchanged, with the exception of additions to the existing Brea Mall in the late 1980s and early 1990s. Indications or RECs were not identified with the adjoining properties.

4.0 RECORDS REVIEW

Regulatory database information was provided by EDR, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated, and the scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

Federal and State Databases

Database	Description	Radius (miles)	Listings
Federal			
NPL	The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.	1.0	0
NPL (Delisted)	The NPL (Delisted) refers to facilities that have been removed from the NPL.	0.5	0
CERCLIS	The CERCLIS database is a compilation of facilities which the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the CERCLA of 1980.	0.5	0
CERCLIS/	CERCLIS/NFRAP refers to facilities that have been	0.5	1

Database	Description	Radius (miles)	Listings
NFRAP	removed and archived from EPA's inventory of CERCLA sites.		
RCRA CORRACTS/ TSD	The EPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous waste that are undergoing "corrective action." A "corrective action" order is issued when there has been a release of hazardous waste or constituents into the environment from a RCRA facility.	1.0	0
RCRA Non-CORRACTS/ TSD	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.	0.5	0
RCRA Generators	The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.	0.1	2
IC / EC	A listing of sites with institutional and/or engineering controls in place. IC include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. EC include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.	Site	0
ERNS	The Emergency Response Notification System (ERNS) is a listing compiled by the EPA on reported releases of petroleum and hazardous substances to the air, soil and/or water.	Site	0
State/Tribal			
RESPONSE	State Response Sites – Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.	1.0	0
ENVIORSTOR	The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have	0.5	6

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	known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.		
CHMIRS	California Hazardous Material Incident Report System California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).	Site	0
SWF / LF	State and/or Tribal database of solid waste facilities located within California. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.	0.5	0
LUST	State and/or Tribal database of leaking underground storage tanks in state of California.	0.5	12
SLIC	The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.	0.5	0
HISTUST	Hazardous Substance Storage Container Database The Hazardous Substance Storage Container Database is a historical listing of UST sites.	0.25	5
SWEEPS	Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and Maintained by a company contacted by the SWRCB in the early 1990's.	0.25	2
UST/AST	State and/or Tribal database of registered storage tanks in the State of California which may include the owner and location of the tanks.	0.25	5
DRYCLEANERS	A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; dry-cleaning plants, except rugs; carpet and upholstery cleaning; industrial launderers; laundry and garment services.	0.25	3
IC/EC	State and/or Tribal equivalent to the Federal IC / EC database list.	Site	0
SWRCY	A listing of recycling facilities in California.	0.5	0
VCP	State and/or Tribal facilities included as Voluntary Cleanup	0.5	0

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	Program sites.		
Brownfields	State and/or tribal listing of Brownfield properties addressed by Cooperative Agreement Recipients or Targeted Brownfields Assessments.	0.5	0
HAZNET	The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 – 1,000,000 annually, representing approximately 350,000 – 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.	Site	1
EDR Historical Auto Station	EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.	0.25	5
EDR Historical Cleaners	EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.	0.25	3

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

The site was not identified in the regulatory database review. The following table summarizes the information provided by the database and/or gathered by this office for identified facilities. Facilities are listed in order of proximity to the site. Additional discussion for selected facilities follows the summary table.

Listed Facilities

Facility Name And Location	Estimated Distance/Direction/Gradient	Database Listings
Sears #1638/6458/835	Site	FINDS
Sears-Brea		RCRA-SQG

Facility Name And Location	Estimated Distance/Direction/Gradient	Database Listings
Sears Roebuck and Co. #1638/6458/8358 100 Brea Mall		EDR Hist Auto Stations, UST, HIST UST, HAZNET
California Cleaners 1027 E Imperial Highway	550 feet / Southwest / Down-gradient	DRYCLEANERS, RCRA-SQG
Wild West Cleaners 1080 E. Imperial Highway	900 feet / Southwest / Down-gradient	Orange County Industrial Site, DRYCCLEANERS, EDR Hist Cleaners.

Sears Roebuck and Co. #1638

The site was identified as Sears Auto Center, Sears-Brea, and Sears Roebuck and Co. 1638/6458/8358 in the regulatory databases. Sears Roebuck Co. #1638, identified on the site was identified as Facility Index System (FINDS), Resources Conservation and Recovery Act Small Quantity Generator (RCRA-SQG), EDR Exclusive Historical US Automotive Stations (EDR Hist Auto Stations), underground storage tank listing (UST), historical UST listing (UST), and Facility and Manifest Data listing (HAZNET). Based on a review of the EDR Hist Auto Stations listing, the site was listed as Sears Auto Center in the years 2010 and 2011. A review of the RCRA-SQG indicated the site was registered as a small quantity generator of RCRA regulated waste in 1996 and as a historical generator in the years 1994, 1995, and in 1986. Indications of violations or release were not reported. Based on a review of the HAZNET listing, waste streams generated on-site were not reported; however, disposal methods were identified as storage, bulking, and / or transfer off-site, with no treatment recovery. Based on review of client-provided information dated 2009 and 2011 including Hazardous Materials Business Plans, regulatory inspection reports, and various Orange County Certified Unified Program Agency (CUPA) forms, waste streams identified on-site were reported as floor detergent, liquefied gas (helium and propane), sodium hydroxide, sodium xylenesulfonate, nonyphenol etoxylate, sodium metasilicate pentahydrate, corrosive materials (acids/alkaline), parts washer solvent mixture, waste absorbent materials (shop rags), motor oil, used motor oil, waste gasoline, used antifreeze, used brake fluid, spent oil and gasoline filters, used lead waste (tire balancing), used acid batteries, tetraflouroethane, waste aerosols, waste flammable liquids, and waste oxidizers. It should be noted the site operated an automotive repair center from 1977 to the present. A review of the HIST UST and UST listing indicated the site was equipped with a 500-gallon UST used for storing waste oil, which was installed in 1977. As previously discussed in Section 3.9, the historical UST was reportedly removed in 1988, and evidence of subsurface impact

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associated with the historical UST was not identified. Therefore, the 500-gallon waste oil UST does not represent a REC in connection with the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report listed 20 facilities in the unmapped section. Determining the location of unmapped facilities is beyond the scope of this assessment; however, none of these facilities were identified as the site or adjacent properties. These facilities are listed in the database report in Appendix D.

4.2 Local Agency Inquiries

4.2.1 Health Department/Environmental Division

The Orange County Health Care Agency (OCHCA) was contacted by fax regarding environmental records or information indicating environmental concerns for the site. At this time, a response from the agency is not available.

4.2.2 The City of Brea Fire Department

The City of Brea Fire Department (BFD) was contacted by fax via the City of Brea's City Clerk's Office. Please refer to client-provided information discussed in Section 4.1 for review of available records.

4.2.3 Department of Toxic Substances Control

The Department of Toxic Substances Control (DTSC) was contacted by e-mail regarding environmental records for the site. On April 28, 2915, an electronic response from the DTSC indicated that no records available for the site; however, the DTSC response indicated the site was identified in the Generator Information Services Section. This information was previously discussed in Section 4.1.

4.2.4 South Coast Air Quality Management District (SCAQMD)

Terracon contacted the SCAQMD via the Facility Information Detail (FIND) online database regarding environmental information or information indicating environmental concerns for the site. A review of available records indicated the site is operation under an active permit to operate an emergency generator powered by natural gas. In addition, an inactive permit for CFC-12 recovery/recycling was identified in the FIND database. Outstanding compliance violations were not identified for the site.

4.2.5 Local/Regional Water Quality Agency

The Santa Ana Regional Water Quality Control Board was contacted by e-mail regarding environmental records for the site. At this time, a response from the agency is not available.

4.2.6 The department of Conservation, Division of Oil, Gas & Geothermal Resources

Terracon completed a cursory review of records available at the Department of Conservation Division of Oil, Gas & Geothermal Resources (DOC – DOGGR) for the site. Based on a review of the DOC-DOGGR mapping system, oil wells were not identified on the site.

4.3 Records Review Summary

The site was identified as Sears Auto Center, Sears-Brea, and Sears Roebuck and Co. 1638/6458/8358 in the regulatory databases. Sears Roebuck Co. #1638, identified on the site was identified as Facility Index System (FINDS), Resources Conservation and Recovery Act Small Quantity Generator (RCRA-SQG), EDR Exclusive Historical US Automotive Stations (EDR Hist Auto Stations), underground storage tank listing (UST), historical UST listing (UST), and Facility and Manifest Data listing (HAZNET). Based on a review of the EDR Hist Auto Stations listing, the site was listed as Sears Auto Center in the years 2010 and 2011. A review of the RCRA-SQG indicated the site was registered as a small quantity generator of RCRA regulated waste in 1996 and as a historical generator in the years 1994, 1995, and in 1986. Indications of violations or release were not reported. Based on a review of the HAZNET listing, waste streams generated on-site were not reported; however, disposal methods were identified as storage, bulking, and / or transfer off-site, with no treatment recovery. Based on review of client-provided information dated 2009 and 2011 including Hazardous Materials Business Plans, regulatory inspection reports, and various Orange County Certified Unified Program Agency (CUPA) forms, waste streams identified on-site were reported as floor detergent, liquefied gas (helium and propane), sodium hydroxide, sodium xylenesulfonate, nonyphenol etoxylate, sodium metasilicate pentahydrate, corrosive materials (acids/alkaline), parts washer solvent mixture, waste absorbent materials (shop rags), motor oil, used motor oil, waste gasoline, used antifreeze, used brake fluid, spent oil and gasoline filters, used lead waste (tire balancing), used acid batteries, tetraflouroethane, waste aerosols, waste flammable liquids, and waste oxidizers. It should be noted the site operated an automotive repairing center since 1977 through the present. A review of the HIST UST and UST listing indicated the site was equipped with a 500-gallon UST used for storing waste oil, which was installed in 1977. As previously discussed in Section 3.9, the historical UST was reportedly removed in 1988, and evidence of subsurface impact associated with the historical UST was not identified. Therefore, the 500-gallon waste oil UST does not represent a REC in connection with the site.

The remaining identified facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, anticipated depth to groundwater within the site vicinity (approximately 90 feet bgs) and/or distance from the site.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. Exhibits 2 and 2A in Appendix A are a Site Diagram of the site and a Site Detail of the Sears Auto Center. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix E. Credentials of the individuals planning and conducting the site visit are included in Appendix F.

General Site Information

Site Reconnaissance				
Field Personnel	Sami Noaman			
Reconnaissance Date	April 30, 2015			
Weather Conditions	Sunny, 85° F			
Site Contact/Title	Mr. Cliff Granier / Building Technician			
Building Description				
Building Identification	**Building Use**	**Approx. Construction Date**	**Number of Stories**	**Approx. Size (ft²)**
Sears Store #1638	Retail	1977	2	160,000
Sears Auto Center #6458	Automotive maintenance	1977	1	9,000
Site Utilities				
Drinking Water	City of Brea			
Wastewater	City of Brea			
Natural Gas	Southern California Gas Company			
Electricity	Southern California Edison			

5.2 Overview of Current Site Occupants and Operations

The site is located at 100 Brea Mall, Brea, Orange County, California and consists of a two-story Sears Store and one-story Sears Auto Center buildings identified as Sears Store # 1648 and Sears Auto Center # 6458, totaling approximately 169,000-square-foot (SF). At the time of the site reconnaissance, the site was occupied by Sears, Sears Optical, Sear Automotive Center, Sears's Key Service, Sears Watch Repair, Crystal Empress gift shop, and a seasonal tax service. On-site operations include general automotive parts sales, service and maintenance, and typical household merchandise retail.

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5.3 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail following the table.

Site Characteristics

Category	Item or Feature	Observed or Otherwise Identified
Site Operations, Processes, and Equipment	Emergency generators	X
	Elevators	X
	Air compressors	X
	Hydraulic lifts	X
	Dry cleaning	
	Photo processing	
	Ventilation hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	
	Other processes or equipment	
Aboveground Chemical or Waste Storage	Aboveground storage tanks	X
	Drums, barrels and/or containers ≥ 5 gallons	X
	MSDS	X
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, catch basins and/or dry wells	
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators	X
	Pipeline markers	
	Interior floor drains	X
Electrical Transformers/ PCBs	Transformers and/or capacitors	X
	Other equipment	

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Category	Item or Feature	Observed or Otherwise Identified
Releases or Potential Releases	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris and/or other waste materials	X
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free floating product	
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	
	Wells	

Site Operations, Processes, and Equipment

Emergency generators

One emergency generator was observed during the site reconnaissance. The generator was located in a central portion on the roof. The generator was fueled by natural gas. Surficial staining or releases were not observed on the concrete or in the vicinity of the emergency generator at the time of the visual reconnaissance. Based on site observations, the emergency generator does not appear to constitute a REC in connection with the site.

Elevators

Two hydraulic elevators were observed on the site. A freight elevator was observed near the loading dock on the southeastern portion of the Sears Store, and a passenger elevator was observed on the northeastern portion of the Sears Store. The mechanical and hydraulic equipment for the elevators are located in rooms adjacent to the elevators on the first floor. According to Mr. Granier, the elevator system is serviced by Schindler every couple months, and on an as needed basis. The base of the elevator pits were not observed due technician availability. Mr. Granier was not aware of any maintenance or issues related to the elevators and a review of maintenance records during the site reconnaissance did not identify significant releases from the elevator shafts. Based on site observations, the interview with Mr. Granier, and records review, the two elevators do not constitute a REC.

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Air compressors

Four air compressors were observed on site. One compressor was located in the main retail building in the parts and service center, and the other three were located in the automotive repair center. One of the air compressors in the automotive service center was a small portable compressor. All three air compressors were located on concrete, and the air compressor in the main retail building was located on a wood support above concrete floor. Staining was observed beneath the two large air compressors located in the automotive building at the time of the site reconnaissance; however, absorbent was not observed. The staining appeared to be of *de minimis* status and does not appear to constitute a REC for the site at this time.

Hydraulic lifts

Five in-ground hydraulic lift units and Evidence of two former hydraulic lift units (one removed by MACTEC in 2007) were also observed. The lifts were located in the automotive service center. Based on a review of the MACTIC lift assessment report conducted in 2007, the former lift located on the northern portion of the auto center does not appear to represent an REC to the site. As discussed in Section 3.9, Terracon completed a Phase II ESA to address the presence of the existing and former in-gound lifts in April 2015. The scope consisted of six soil borings within the auto center area. Based on the findings of the Phase II report, impacts to soil were not detected in the hydraulic lift areas. Therefore, the presence of hydraulic lifts does not appear to have impacted the Sears Auto Center #6458 site, and do not appear to represent RECs to the site.

Five above-gound hydraulic lift units/alignment racks were onbserved during the site reconnaisance within the autonmotive center service area. No subsurface componenets appeared to be associated with theese lift units. No evidence of hydraulic fluid releases were observed from the lifts at the time of the site visit. Based on site observations and absense of subsurface components, the above ground hydraulic lift units do not appear to constitute an REC to the site.

Aboveground Chemical or Waste Storage

Aboveground storage tanks

Two ASTs were observed on the site during the site reconnaissance. One approximately 120-gallon AST used for storing new oil was observed on the north side of the automotive service center. The AST was located on concrete pavement that appeared to be in good condition. No evidence of staining and/or releases was observed in the vicinity of the AST during site reconnaissance. One approximately 100–gallon AST used for storing used anti-freeze was observed on the north side of the automotive service center. The AST was located on concrete that appeared to be in good condition. Evidence of *de minimis* staining was observed in the vicinity of the AST. Based on site observations and pavement conditions, the *de minimis* staining does not appear to constitute a REC in connection with the site at his time.

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Drums, barrels, and/or containers ≥ 5 gallons

The following containers were observed during the site reconnaissance:

Approximate Quantity	Capacity	Contents	Location
3	5-gallon	Floor stripper	Janitorial supply
3	5-gallon	Used dry cell batteries	Hazardous materials storage area
5	5-gallon	Paint	Maintenance room/ automotive service
1	55-gallon	Latex paint	Hazardous waste storage area
4	55-gallon	Hazardous waste storage	Hazardous waste storage area
3	45-gallon	Hazardous waste storage	Hazardous waste storage area
1	5-gallon	Floor finish	Janitorial supply closet
4	5-gallon	Hazardous materials spill kit	Hazardous materials storage area/ automotive service
1	5-gallon	Apparently empty	Janitorial closet
2	55-gallon	Degreaser	Automotive service center
6	55-gallon	New oil	Automotive service center
1	One cubic yard	Oil filters and oil waste	Automotive service center
1	10-gallon	Spill kit	Automotive service center
1	55-gallon	Oil waste	Automotive service center
2	5-gallon	Oily rags waste	Automotive service center
3	35-gallon	Oil waste	Automotive service center
2	5-gallon	Brake fluid	Automotive service center
3	55-gallon	Scrap metal	Automotive service center
3	35-gallon	Wheel weights	Automotive service center
3	55-gallon	Used oil	Automotive service center
2	35-gallon	Used oil/ gas storage	Hazardous materials storage area/ parts and service center main

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			retail building
1	5-gallon	Lubricant	Automotive service center
1	10-gallon	Apparently empty	Automotive service center

The used gas and oil containers in the parts and service center in the main retail building were stored on a wood slab on top of concrete. The six new oil 55-gallon drums were located on wood pallets on top of concrete. One 5-gallon floor stripper was located on tile flooring. One 5-gallon used battery storage containers and the three 45-gallon hazardous materials storage containers were located on wood shelving approximately 4 feet off the ground. All of the other containers were stored on concrete flooring. Staining and/or releases were not observed during the site reconnaissance. Based on site observations, RECs were not identified.

MSDS

Material Safety Data Sheets were observed in the service and parts center in the main retail building, and in the automotive repair center during the visual reconnaissance. Matching of MSDS to the chemical storage observed on site was not performed as part of the scope of services.

Underground Chemical or Waste Storage, Drainage or Collection Systems

Oil/water separators

One four stage oil/water separator was observed to the west of the automotive service center during the site reconnaissance. The oil/water separator date of construction is unknown, but is believed to have been installed during the construction of the automotive repair center. According to Mr. Anthony Dayton, Assistant Auto Center Manager, the oil/water separator is used primarily for the automotive center operations. The oil/water separator receives automotive waste fluid from on-site operations and discharges it to the municipal sewer system. The condition of the tank and the current amount of product in the tank are unknown. The maintenance record of the oil/water separator was unavailable. Evidence of staining or surface releases was not observed in the vicinity of the oil/water separator at the time of the site reconnaissance. To evaluate the presence of the oil/water separator, Terracon conducted Phase II ESA services, which included advancement of one soil boring to a maximum depth of 10 feet bgs. Based on the findings of Terracon's Phase II ESA, the presence of the oil/water separator does not appear to have impacted the Sears Auto Center #6458 site, and do not appear to represent RECs to the site.

Interior floor drains

Interior floor drains were observed at the following site locations: restrooms, janitorial supply, and the automotive service center. Staining and/or releases to the floor drains was not observed during the site reconnaissance. Potentially hazardous materials did not appear to be stored in the vicinity of the floor drains. Based on site observations, RECs were not identified.

Electrical Transformers/ PCBs

Transformers

During Terracon's site visit, three pad-mounted transformer, owned and serviced by Southern California Edison (SCE) were observed on the site. No information with regard to PCB content of the transformer fluids was observed. Transformers contain mineral oil which may contain minor amounts of PCB and could be considered "PCB contaminated" (PCB content of 50-500 ppm).

SCE maintains responsibility for the transformers, and if the transformers were "PCB contaminated," the utility company is not required to replace the transformer fluids until a release is identified. However, no evidence of current or prior release was observed in the vicinity of the electrical equipment during the site reconnaissance. Based on site observations, RECs were not identified.

Releases or Potential Releases

Trash, debris and/or other waste materials

One approximately 15-cubic-foot solid waste disposal dumpster, serviced by Oak Leaf was observed on the southeastern portion of the site near the automotive service center. Staining or noxious odors was not observed in the vicinity of the on-site dumpster.

One cardboard baler was observed on the northwest side of the site near the loading dock. The cardboard baler was located concrete flooring that seemed to be in good condition with no cracks. Surficial staining or releases were not observed on the concrete, or in the vicinity of the cardboard baler, at the time of the visual reconnaissance. Based on site observations, the cardboard baler does not appear to constitute a REC in connection with the site.

Two solid waste disposal compactors were observed on the east and southeast portions of the Sears Store. The solid waste compactors are hydraulically operated and surficial staining was not observed on the paved surface beneath the hydraulic reservoir.

Based on site observations, solid waste dumpster and solid waste compactors do not appear to represent an REC in connection with the site at this time.

5.4 Site Reconnaissance Summary

One emergency generator, two hydraulic elevators, four air compressors, one solid waste disposal dumpster, two solid waste compactors, one cardboard baler, two ASTs, multiple containers ranging in size from 1- to 55-gallon, Material Safety and Data Sheets (MSDS), multiple interior floor drains, three pad-mounted transformers, one solid waste dumpster, two solid waste compactors, five in-ground hydraulic lifts, an oil/water separator, and a cardboard

baler were observed on site. Based on site reconnaissance observations and findings documented in the Terracon's' Phase II ESA report completed on April 17, 2015 (discussed below), RECs were not identified in connection with the site.

6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

Adjoining Properties

Direction	Description
North	The properties to the adjacent north consist of an asphalt-paved parking lot, the Brea shopping mall (1065 Brea Mall), and a four story parking garage and Image Auto Detailing (503 Brea Mall).
East	The properties to the adjacent east consist of an asphalt-paved parking lot and Brea shopping mall (1065 Brea Mall) to the northeast.
South	The properties to the adjacent south consist of an asphalt-paved parking lot followed by East Imperial Highway.
West	The properties to the adjacent west consist of an asphalt-paved parking lot followed by South Randolph Avenue.

Indications of RECs were not observed with the adjoining properties.

7.0 CONCLUSIONS

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E1527-13 at 100 Brea Mall in Brea, Orange County, California, the site. RECs were not identified in connection with the site.

8.0 DECLARATION

I, Islam (Sami) R. Noaman E.I.T., declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312

APPENDIX A
EXHIBIT 1 – TOPOGRAPHIC MAP
EXHIBIT 2 – SITE DIAGRAM
EXHIBIT 2A – SITE DETAIL

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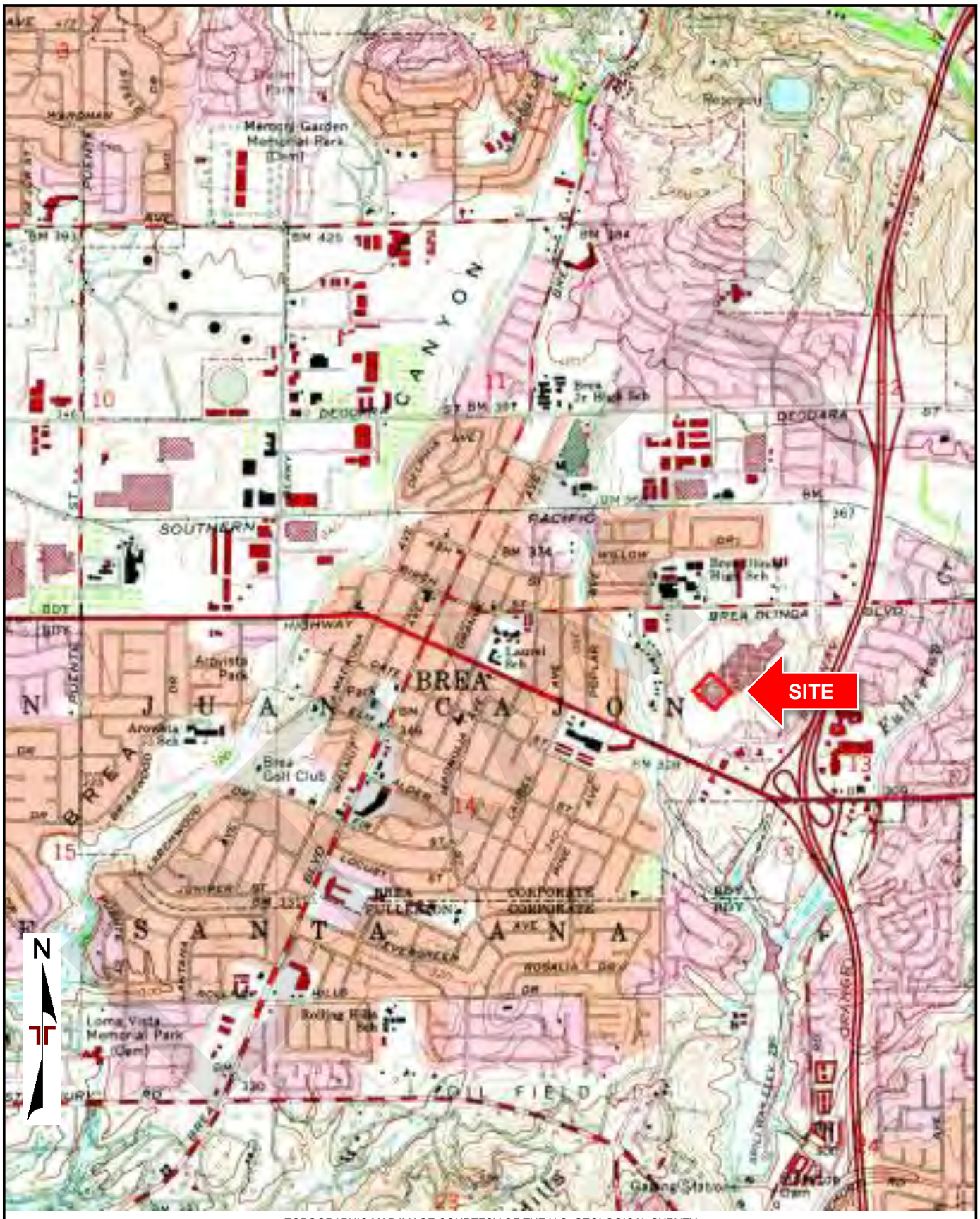
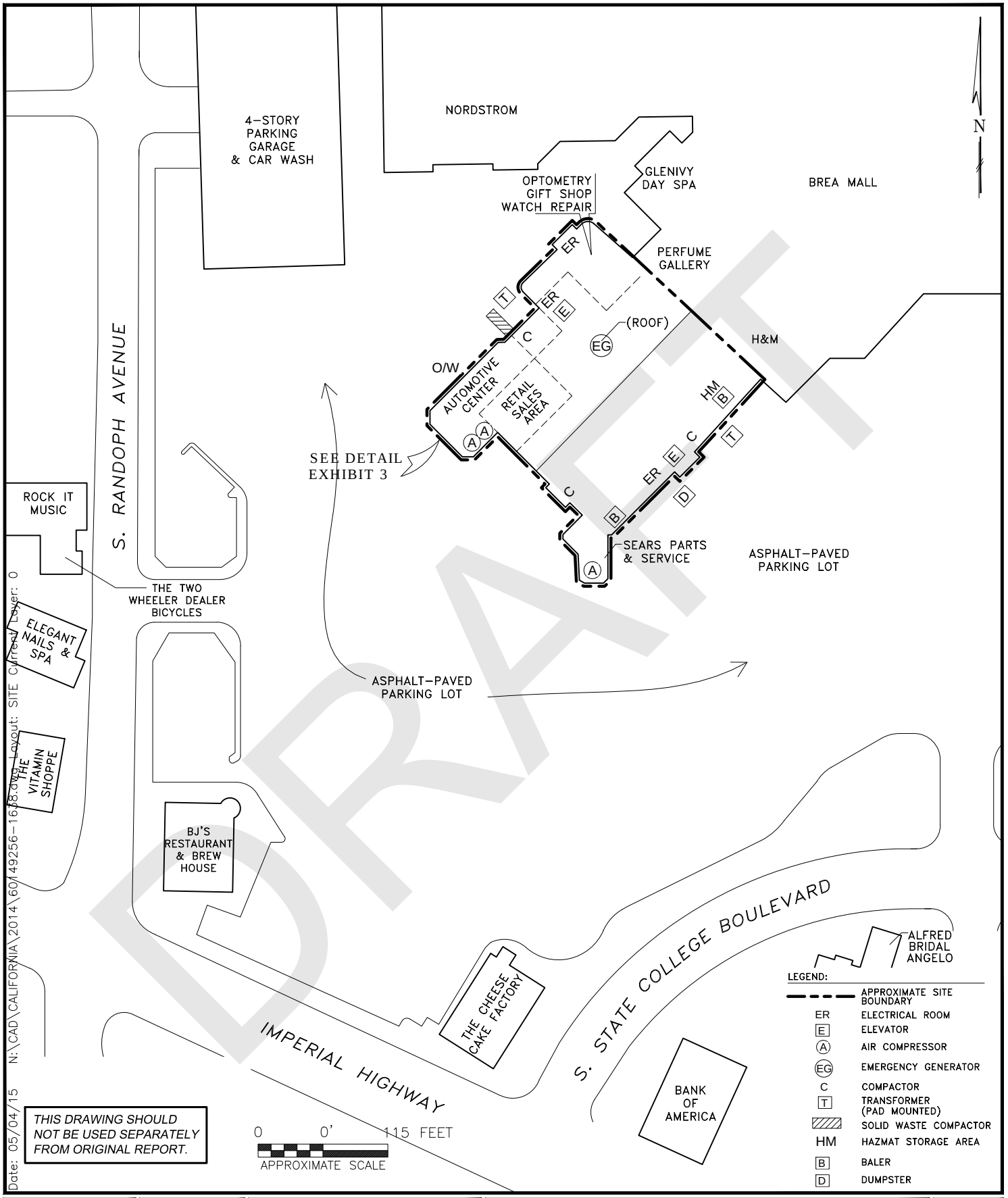


TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
QUADRANGLES INCLUDE: La Habra, CA (1981).

Project Manager: IRN	Project No. 60149256.1638	Terracon 2817 McGaw Avenue Irvine, California 92614	TOPOGRAPHIC MAP	EXHIBIT
Drawn by: JSV	Scale: 1:24,000		SEARS STORE #1638 & SEARS AUTO CENTER #6458 100 BREA MALL BREA, ORANGE COUNTY, CALIFORNIA	1
Checked by: IRN	File Name: N/A			
Approved by: CAP	Date: MAY 2015			



THIS DRAWING SHOULD NOT BE USED SEPARATELY FROM ORIGINAL REPORT.

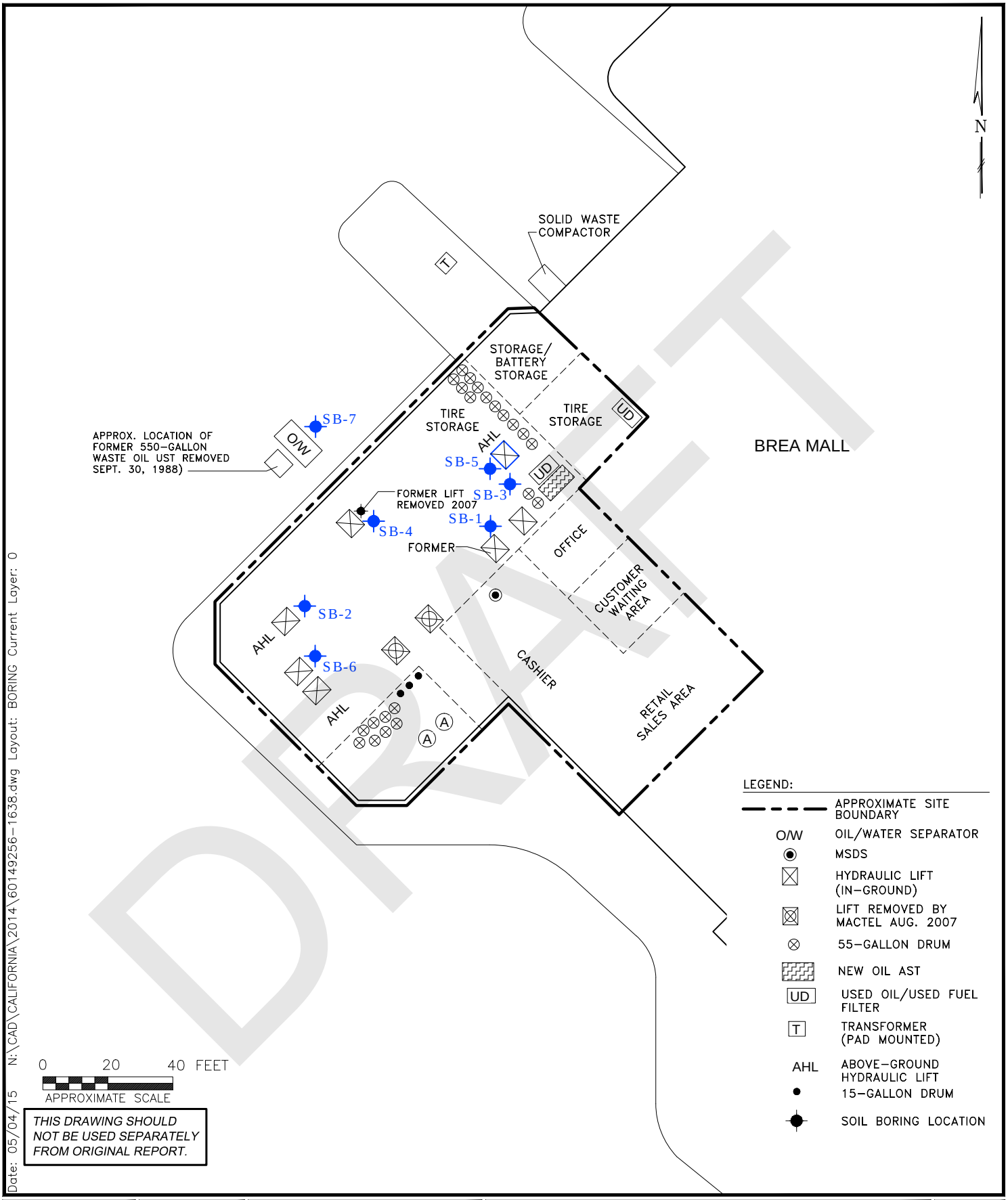
Project Mngr:	SN
Drawn By:	DLC
Checked By:	SN
Approved By:	CAP
Project No.	60149256.1638/6458
Scale:	AS SHOWN
Date:	5/4/2015

Terracon
Consulting Engineers and Scientists
2817 McGAW AVENUE IRVINE, CALIFORNIA 92614
PH. (949) 261-0051 FAX. (949) 261-6110

SITE DIAGRAM

SEARS STORE #1638 AND SEARS AUTO CENTER #6458
100 BREA MALL
BREA, ORANGE COUNTY, CALIFORNIA

EXHIBIT 2



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Project Mngr: SN Drawn By: DLC Checked By: SN Approved By: CAP	Project No. 60149256.1638/6458 Scale: AS SHOWN Date: 5/4/2015	Terracon Consulting Engineers and Scientists 2817 McGAW AVENUE IRVINE, CALIFORNIA 92614 PH. (949) 261-0051 FAX. (949) 261-6110	SITE DETAIL SEARS AUTO CENTER #6458 100 BREA MALL BREA, ORANGE COUNTY, CALIFORNIA	EXHIBIT 2A

APPENDIX B
DESCRIPTION OF TERMS AND ACRONYMS

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Description of Selected General Terms and Acronyms

Term/Acronym	*Description*
ACM	Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining). Regulatory agencies have generally defined ACM as a material containing greater that one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable. Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.
AHERA	Asbestos Hazard Emergency Response Act
AST	Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CESQG	Conditionally exempt small quantity generators.
CFR	Code of Federal Regulations

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Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	*Description*
CREC	Controlled Recognized Environmental Condition is defined in ASTM E 1527-13 as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority) , with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report."
DOT	U.S. Department of Transportation
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a "solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."
HREC	Historical Recognized Environmental Condition is defined in ASTM E 1527-13 as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition."
ILP	Innocent Landowner/Operator Program
LQG	Large quantity generators.
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.

Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	*Description*
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/L	Pico Curies per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in Pico Curies per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor “action level” concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal (‘cradle to grave”). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA generators list is part of the RCRIS database maintained by EPA and lists facilities that generate hazardous waste as part of their normal business operations, as more particularly defined under Section 4.1 of this report.
RCRA CORRACTS/TSDs	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing “corrective action”. A “corrective action” order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non-CORRACTS/TSDs	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Conditions are defined by ASTM E1527-13 as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1)due to any release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions.”
SCL	State “CERCLIS” List (see SPL /State Priority List, below).

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Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	*Description*
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	National Priorities List, as more particularly described under the Records Review section of this report.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List.
SQG	Small quantity generator.
SWF	Solid Waste Facility
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-13, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound

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Term/Acronym	*Description*
Wetlands	Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The Corps of Engineers Wetlands Delineation Manual (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present. The federal Clean Water Act which regulates "waters of the US," also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.

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APPENDIX C
HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE

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AERIAL PHOTOGRAPHY PROVIDED BY USDA

Project Manager: IRN Drawn by: JSV Checked by: IRN Approved by: CAP	Project No. 60147865.1638 Scale: 1"=500' File Name: N/A Date: MAY 2015	Terracon 2817 McGaw Avenue Irvine, California 92614	AERIAL PHOTOGRAPH SEARS STORE #1638 & SEARS AUTO CENTER #6458 100 BREA MALL BREA, ORANGE COUNTY, CALIFORNIA	YEAR 1938

AERIAL PHOTOGRAPHY PROVIDED BY USDA

Project Manager: IRN Drawn by: JSV Checked by: IRN Approved by: CAP	Project No. 60147865.1638 Scale: 1"=500' File Name: N/A Date: MAY 2015	Terracon 2817 McGaw Avenue Irvine, California 92614	AERIAL PHOTOGRAPH SEARS STORE #1638 & SEARS AUTO CENTER #6458 100 BREA MALL BREA, ORANGE COUNTY, CALIFORNIA	YEAR 2012

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfields Revitalization Act of 2001, the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. Failure to provide responses may result in significant data gaps, which may limit our ability to identify recognized environmental conditions. This form represents a type of interview and as such, the user has an obligation to answer all questions in good faith, to the extent of their actual knowledge.

Site Name: **Sears Holding Company Phase I ESA(s)**
Site Address: **Multiple Sites as noted in Terracon proposal A2140020 dated September 9, 2014**

1) Are you aware of any environmental cleanup liens against the site that are filed or recorded under federal, tribal, state or local law (40 CFR 312.25)? ___No ___Yes If yes, please explain.
No other than what is in the environmental information provided for the site

2) Are you aware of any activity and use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and / or have been filed or recorded in a registry under federal, tribal, state of local law.(40 CFR 312.26)? ___No ___Yes If yes, please explain.
No other than what is in the environmental information provided for the site

3) As the user of this ESA, do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312-28)? ___No ___Yes If yes, please explain.
No other than what is in the environmental information provided for the site

4) Does the purchase price being paid for this site reasonably reflect the fair market value of the site? If no, have you considered whether the lower purchase price is because contamination is known or believed to be present at the site (40 CFR 312.29)? ___No ___Yes If yes, please explain.
Not applicable

5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? ___No ___Yes If yes, please explain.
No other than what is in the environmental information provided for the site

6.) As the user of this ESA, based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence of likely presence of contamination at the site (40 CFR 312.31)? ___No ___Yes If yes, please explain.
No other than what is in the environmental information provided for the site

Request for Information and Documentation

In addition to the specific questions outlined above, the User is requested to provide the following information and documentation, as available. ASTM requires that this information be provided to the Environmental Professional prior to the site visit.

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1638 - Brea, CA
100 Brea Mall
Brea, CA 92821

Inquiry Number: 4071150.3
September 19, 2014

Certified Sanborn® Map Report

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6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

9/19/14

Site Name:
1638 - Brea, CA
100 Brea Mall
Brea, CA 92821

Client Name:
Terracon
2817 McGraw Ave
Irvine, CA 92606

EDR Inquiry # 4071150.3

Contact: Sami Noaman

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: 1638 - Brea, CA
Address: 100 Brea Mall
City, State, Zip: Brea, CA 92821
Cross Street:
P.O. # 1638
Project: 60149256
Certification # 27E1-47C5-BA79

Sanborn® Library search results
Certification # 27E1-47C5-BA79

UNMAPPED PROPERTY

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The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

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Research Summary for City Directory Abstract

Site Location:
100 Brea Mall
Brea, CA

HIG Project #:
148383

Date Completed:
10/2/2014

Conducted For:
Terracon Consultants, Inc.
Sacramento, CA

Historical Information Gatherers

HIG has produced a city directory abstract for one or more streets associated with the site location indicated above. The publications used to create the CD Abstract are listed below.

The information below is taken directly from the city directory books. The following are definitions as they are found in the Haines books:

XXXX = is no phone, no people or non-published phone.
600 XXXX = Correct address only. No other information.
X Streetname = intersecting cross street

Publication year, publisher and title.

2011 Haines North Orange County

2006 Haines North Orange County

2002 Haines North Orange County

1996 Haines North Orange County

1991 Haines North Orange County

1986 Haines Orange County

1981 Haines Orange County

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0 Brea Mall

2006	FUNCOLAND
2006	GARYS TUX SHOPS
2006	KAY JEWELERS
2006	NEXTEL RETAIL STORES INC
2006	RADIOSHACK
2006	SEES CANDIES
2006	WALDENBOOKS
2006	BORDERS EXPRESS
2002	GARYS TUX SHOPS
2002	WALDENBOOKS
2002	SEES CANDIES
2002	SEARS TUXEDOS GARYS TUX SHOPS
2002	SEARS PORTRAIT STUDIO
2002	REGIS SALON
2002	RADIOSHACK
2002	LETS TALK CLLLR&WRLSS INC
2002	GINGISS FORMALWEAR
2002	FOOT ACTION FAN CLB
2002	EXPRESS
2002	CACHE
2002	KAY JEWELERS
1996	BABBAGES SOFTWARE
1996	B DALTON BOOKSELLER
1996	A T&T COMPANY
1996	SEARS TUX DEN
1996	SOFTWARE ETC
1996	CACHE
1996	MOTHERHOOD
1996	KAY JEWELERS
1996	HOUSEHOLD FINANCE
1996	GINGISS FORMALWEAR
1996	FOOT ACTION FAN CLB
1996	EXPRESSLY PORTRAITS
1996	EXPRESS
1996	WALDENBOOKS
1991	SUNDAYS CHILD
1991	A T&T COMPANY
1991	B DALTON BOOKSELLER
1991	CACHE
1991	GINGISS FORMALWEAR
1991	HOUSEHOLD FINANCE
1991	MARTIN L GALLERIES
1991	MOTHERHOOD
1991	SHANNONS T SHIRTS
1991	SPENCER GIFTS

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1991	WESTMSTR LACE
1991	SOFTWARE ETC
1986	VIDEO GALAXY
1986	ANATOMY ASYLUM
1986	RICHARD SIMMONS
1986	BLOCK H&R
1986	MOTHERHOOD MATRNITY
1986	SIMMONS R ANATOMY
1986	GINGISS FORMALWEAR
1981	BREA MALL HOMERT
1981	VONDETTS MENS WEAR
1981	MOTHERHOOD MATRNTY
1981	MAGIC PAN RSTRNT
100 Brea Mall	
2011	SEARS OPTICAL
2011	CRYSTAL EMPRESS
2011	MIRACLE-EAR
2011	SEARS GENERAL INFORMATION
2011	H & R BLOCK
2006	SEARS
2002	SEARS
1996	SEARS
1991	SEARS
1986	SEARS
1981	SEARS
120 Brea Mall	
2011	THE CHEESECAKE FACTORY
2011	LOCK 1 SERVICES
2006	THE CHEESECAKE FACTORY
180 Brea Mall	
1996	RED ROBIN BRGR&SPRT
1991	RED ROBIN BRGR&SPRT
200 Brea Mall	
2011	BREA MLL BRDWLK SRF SKTE & SNW
2011	MACY'S THE MACY'S BREA
2011	MACY'S MACY'S WEST
2011	MACY'S DEPARTMENT STORES
2011	MACY'S BEA
2011	BREA MALL NATURALIZER WEST
2011	BREA MALL MACY'S
2011	BREA MALL CNTRY COLLECTION THE
2006	MACY'S
2006	MACY'S WEST BREA
2002	MACYS
1996	BROADWAY STR
1991	PIEKARSKI MARK J DR
1991	BROADWAY DEPT STORE
1986	BROADWAY DEPT STORE

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1986	PIEKARSKI MARK J DR
1981	PIEKARSKI MARK J DR
1981	BROADWAY DEPRTMNT
204 Brea Mall	
1996	1 POTATO 2 INC
1991	1 POTATO 2 INC
206 Brea Mall	
1996	HAAGEN DAZS ICE CRM
1991	HAAGEN DAZS ICE CRM
212 Brea Mall	
2011	PANDA EXPRESS
2006	PANDA EXPRESS
2002	PANDA EXPRESS
1996	PANDA EXPRESS
1991	PANDA EXPRESS
217 Brea Mall	
1996	XXXX
1991	CA FRIES
250 Brea Mall	
2011	RED LOBSTER RESTAURANTS
2006	RED LOBSTER RESTAURANTS
2002	RED LOBSTER RSTRNT
2002	SEAFOOD BROILER RESTAURANTS
1996	RED LOBSTER RSTRNT
1991	RED LOBSTER RSTRNT
1986	SEAFOOD BROILER
270 Brea Mall	
2011	OLIVE GARDEN ITALIAN REST BREA
2006	OLIVE GARDEN ITALIAN REST BREA
2002	OLIVE GARDEN REST
1996	OLIVE GARDEN REST
1991	OLIVE GARDEN RSTRNT
1991	OLIVE GARDEN REST
300 Brea Mall	
2006	ROBINSONS-MAY BREA
2002	ROBINSON MAY DEPARTMENT STORES
1996	ROBINSONS MAY
1996	ROBINSONS MAY TRVL
1991	GILHOOLYS REST&PUB
1991	MAY CO WRLD TRAVEL
1991	MAY CO FINE JEWELRY
1991	MAY CO
1986	MAY CO WRLD TRAVEL
1986	GILHOOLYS REST&PUB
1986	MAY COMPANY
1981	MAY CO WLRD TRVL BR
1981	MAY COMPANY
400 Brea Mall	

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2011	JCPENNEY BREA MALL
2011	JCPENNEY OPTICAL
2011	JCPENNEY PORTRAIT STUDIO
2006	JC PENNEY OPTICAL
2002	J C PENNEY
1996	J C PENNEY
1991	XXXX
1986	ICE CAPADES CHALET
1981	BREA MALL ICE CAPAD
1981	ICE CAPADES CHALET
500 Brea Mall	
2011	NORDSTROM
2006	NORDSTROM
2002	NORDSTROM
1996	NORDSTROM
1991	NORDSTROM
1986	NORDSTROM
1981	NORDSTROM
562 Brea Mall	
2011	TROJAN DIVERSIFIED
600 Brea Mall	
2011	BJ'S RESTAURANT AND BREWERY
2006	BJ'S RESTAURANT AND BREWERY
2002	B J S RSTRNT&BRWHS
2002	AIRTH Gizella
1996	CORNERSTONE GRILL
1991	CREATIVE CONCEPTS
1991	MAGNOLIAS PEACH
1986	MAGNOLIAS PEACH
1000 Brea Mall	
1996	XXXX
1991	ZALES JEWELERS
1986	CRANDALL JOHN
1981	ROBERTS WM JEWELERS
1001 Brea Mall	
2011	GLEN IVY DAY SPA
2006	GLEN IVY DAY SPA
2002	WESTCOAST WIRELESS
2002	PAC BELL PCS STORE
1996	UNITD ARTISTS CNMA
1991	UNITD ARTISTS CNMA
1002 Brea Mall	
2011	MEN'S WEARHOUSE & TUX
1996	XXXX
1991	XXXX
1986	GREAT EXPECTATNS PR
1003 Brea Mall	
2011	ANTIE ANNE'S SOFT PRETZEL'S

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2006	AUNTIE ANNES PRTZLS
2002	AUNTIE ANNES PRTZLS
1996	AUNTIE ANNES PRTZLS
1991	HARDY SHOES
1004 Brea Mall	
2011	THE CHILDREN'S PLACE
2006	CHILDREN'S PLACE THE
2002	JUST SPORTS
1996	PRO IMAGE THE
1991	BREA PETS
1005 Brea Mall	
2002	WIZARDS OF THE COAST
1996	XXXX
1991	CARD AMERICA
1991	SUMMIT CORP THE
1986	FLIPPER FLAPPER
1981	BREA MALL FLIP FLAP
1981	FLIPPER FLAPPER
1006 Brea Mall	
2011	BEACHWORKS
2011	AMER EAGLE OUTFITTERS
2006	AMER EAGLE OUTFITTERS
2006	BEACH ACCESS INC
2002	BEACH ACCESS INC
1996	BEACH ACCESS INC
1007 Brea Mall	
2011	XXXX
2006	THINGS REMEMBERED
2002	THINGS REMEMBERED
1996	THINGS REMEMBERED
1991	CHESS KING
1008 Brea Mall	
2011	GAP KIDS
2006	GAP KIDS
2002	GAP KIDS
1996	COLORADO
1996	GAP KIDS
1991	UNITD ARTIST CNMA 4
1991	LITTLE FOLKS
1986	UNITD ARTISTS CIN4
1981	UNITD ARTISTS CIN4
1981	GRANGER CLYDE
1009 Brea Mall	
2011	NATURALIZER SHOES BREA MALL
2006	NATURALIZER WEST
2002	NATURALIZER WEST
1996	NATURALIZER WEST
1010 Brea Mall	

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2011	KAY JEWELERS
1996	XXXX
1991	XXXX
1986	XXXX
1981	GINGISS FORMALWEAR
1981	BREA MALL GINGISS
1011 Brea Mall	
2011	DISCOVERY CHANNEL STORE
2011	RAY-BAN
2006	RAY-BAN
2006	DISCOVERY CHANNEL STORE
2002	NATURE COMPANY THE
2002	RAY BAN
1996	NATURE COMPANY THE
1991	NATURE COMPANY THE
1012 Brea Mall	
1996	ACCESSORY LADY
1991	RITZ CMRA CENTERS
1986	HARDY SHOES
1981	HARDY SHOE STORES
1013 Brea Mall	
2011	LUCKY BRAND DUNGAREES
2006	LUCKY BRAND DUNGAREES
2002	LUCKY BRNAD DUNGAREES
1996	AT OUR HOUSE
1991	AT OUR HOUSE
1014 Brea Mall	
2011	METROPARK
2002	XXXX
1996	MUSEUM CO THE
1991	MUSEUM CO THE
1986	BREA PETS
1981	BREA PETS
1015 Brea Mall	
2011	BRIGHTON
1996	AU BON PAIN
1016 Brea Mall	
1996	WILLIAMS SONOMA
1991	WILLIAMS SONOMA
1986	SHAFFER CARDS
1981	BREA MALL SHAFFER
1981	SHAFFER CARDS
1017 Brea Mall	
1996	IMAGINARIUM
1018 Brea Mall	
1996	CONTEMPO CASUALS
1991	HICKORY FARMS OF OH
1986	HICKORY FARMS OF OH

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1981	HICKORY FARMS OF OH
1981	BREA MALL HICKRY FM
1019 Brea Mall	
1996	PAC SUNWEAR
1991	PAC SUNWEAR
1020 Brea Mall	
2011	JANIE & JACK STORE
2006	JANIE & JACK STORE
1996	XXXX
1991	CHESS KING
1986	CHESS KING
1981	CHESS KING DSTRCT
1981	CHESS KING
1021 Brea Mall	
2011	ECCO SHOES
2006	ECCO SHOES
2002	J STEPHENS
1996	J STEPHENS
1991	JOHNSTON&MURPHY SHP
1022 Brea Mall	
2011	BEN BRIDGE JEWELER
2006	BEN BRIDGE JEWELER
2002	BEN BRIDGE JEWELER
1996	XXXX
1991	KARLS TOYS FUNSPACE
1986	KARLS TOYS HOBBIES
1981	KARLS TOYS HOBBIES
1981	BREA MALL KARLS TOY
1023 Brea Mall	
2002	DISNEY STORE INC
1996	DISNEY STORE INC
1024 Brea Mall	
2011	APPLE STORE
2006	APPLE STORE
2002	WET SEAL THE
1996	WET SEAL THE
1991	XXXX
1025 Brea Mall	
2011	FOREVER 21
2006	FOREVER 21
1996	XXXX
1026 Brea Mall	
2011	THE LIMITED
2006	THE LIMITED
2002	LIMITED THE
1996	LIMITED THE
1991	NATURALIZER WEST
1986	FASHION CONSPIRACY

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1981	FASHION CONSPIRACY
1027 Brea Mall	
1996	XXXX
1991	CONTEMPO CASUALS
1028 Brea Mall	
1996	XXXX
1991	MURATA PEARL CO CA
1986	JEANS WEST INC
1981	JEANS WEST INC
1981	BREA MALL JEANS WES
1029 Brea Mall	
1996	XXXX
1991	TEDS CLOCK EMPORIUM
1030 Brea Mall	
2002	LUX SENSE
2002	FOREVER 21
1996	LUXSENSE
1991	BROOKS FASHIONS
1991	PEMBROOK MNG INC
1986	TOWNE PLAZA GALLERY
1981	TOWNE PLAZA GALLERY
1981	BREA MALL GOULD MUS
1031 Brea Mall	
2011	SELECT COMFORT
2006	CRESCENT JEWELERS
2002	CRESCENT JEWELERS
1996	BURTON J JEWELERS
1996	J BURTON JEWELERS
1032 Brea Mall	
2011	LIFE UNIFORM&SHOE SHOPS
1034 Brea Mall	
2011	KEVIN JEWELERS
2006	DUXIANA-THE DUX BED
2002	DUXIANA THE DUX BED
2002	DUX
1996	XXXX
1991	FANFARES
1035 Brea Mall	
2011	JOURNEYS
2006	JOURNEYS
2002	SAM&LIBBY
1996	DOLCIS SHOE STORE
1991	RED EYE INC
1036 Brea Mall	
2011	HEAVENLY COUTURE
2006	BOARDWALK SURF SKATE&SNOW
2002	BOARDWALK SURF SKATE&SNOW

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1996	DAVID JAMES MENS SH
1991	DAVID JAMES MENS SH
1986	RITZ CAMERA CENTERS
1981	HOUSE OF TERRY
1037 Brea Mall	
2002	SAM GOODY
1996	SAM GOODY
1038 Brea Mall	
1996	XXXX
1991	XXXX
1986	HOME FITNESS
1981	BARNEYS
1040 Brea Mall	
1996	XXXX
1991	G H Q FOR MEN
1991	DOLCIS SHOE STORE
1986	G H Q FOR MEN
1041 Brea Mall	
2011	PANDORA BREA MALL
2006	WHITEHALL CO JEWELLERS THE
2002	WHITEHALL CO JEWELLERS THE
1996	LANDAU COLLECTION
1991	CORPORATE PROPERTY
1042 Brea Mall	
2011	CATHY JEAN
2006	CATHY JEAN
2002	CATHY JEAN
1996	GYMBOREE STORE THE
1991	GYMBOREE STORE THE
1986	WICKS N STICKS
1981	WICKS N STICKS
1043 Brea Mall	
2011	ICING BY CLAIRE'S
2006	SANRIO SURPRISES
2002	SANRIO SUPRISES
1996	SANRIO SURPRISES
1044 Brea Mall	
2011	LANE BRYANT
2006	LANE BRYANT
2006	GENL NUTRITION CENTER
2006	HELEN GRACE CHOCOLATES
2002	HELEN GRACE CHOCOLATES
2002	O S I M USA INC
1996	FITTING IMAGE
1991	WET SEAL INC THE
1045 Brea Mall	
2011	UNSA ENTERPRISES
2011	SAM'S TAILORING & CUSTOM SHOP

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2006	SAM'S TAILORING & CUSTOM SHOP
2002	BIG&TALL MENS FASHIONS
1996	BIG&TALL MENS FSHNS
1046 Brea Mall	
1986	ZALES JEWELERS
1981	ZALES JWLRS BREA
1047 Brea Mall	
2011	XXXX
2006	REGIS SALON
1991	ALBERTOS JWLRY RPR
1048 Brea Mall	
2011	SIDECCA
2002	GENERAL NUTRITION CENTER
1996	GENL NUTRITION CT
1991	GENL NUTRITION CNTR
1986	WET SEAL INC THE
1981	BREA MALL WET SEAL
1981	WET SEAL INC THE
1049 Brea Mall	
2002	SUNCOAST MOTN PCTR
1996	SUNCOAST MOTN PCTR
1991	SWEATS&SURF KIDS
1050 Brea Mall	
2011	PACSUN
2006	PAC SUNWEAR
2002	PAC SUNWEAR
1996	XXXX
1991	XXXX
1986	HARRIS&FRANK BREA
1981	BREA MALL HARS&FRNK
1981	HARRIS&FRANK BREA
1051 Brea Mall	
2002	SUNGLASS HUT INTERNATL
1996	SOLSTAR
1996	HELEN GRACE CHOCLTE
1991	HELEN GRACE CHOCLTE
1052 Brea Mall	
2011	COACH
2006	COACH STORE THE
2002	COACH STORE THE
1996	COACH STORE THE
1053 Brea Mall	
2002	XXXX
1996	MIGHTY DUCKS STORE
1991	SPORTELLE
1054 Brea Mall	
1991	PETRIES

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1986	PETRIES
1981	PETRIES
1055 Brea Mall	
2011	BREA MALL GAP THE
2011	GAP
2011	GAP BREA
2006	GAP THE
2002	GAP THE
1996	GAP THE
1057 Brea Mall	
2006	PAC SUNWEAR
2002	JUDY S Hallmark
1996	HORSTMANS HALLMARK
1991	THOM MCAN SHOE STRS
1058 Brea Mall	
1996	XXXX
1991	KINNEY SHOES
1986	KINNEY SHOES BREA
1981	KINNEY SHOES
1981	BREA MALL KINNEY SH
1059 Brea Mall	
2006	PERFUME GALLERY
2002	PERFUME GALLERY
1996	XXXX
1991	CLOTHESTIME INC THE
1060 Brea Mall	
2011	MEN'S WEARHOUSE
1996	XXXX
1991	XXXX
1986	CONTEMPO CASUALS
1981	CONTEMPO CASUALS
1981	BREA MALL CONTEMPO
1061 Brea Mall	
2006	SILHOUETTE
2002	SILHOUETTE
1996	ILLUSIONS
1996	ALLUSIONS BRIDAL CT
1996	GEMINI FINE JEWELRY
1062 Brea Mall	
2011	PERFUME GALLERY
2006	ALEXANDER'S HAIR INTERNATIONAL
2002	LINEAR HAIR INC
1996	LINEAR HAIR INC
1063 Brea Mall	
2011	JEWELER'S BENCH
2006	JEWELER'S BENCH
2002	JEWELERS BENCH
1996	XXXX

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1986	LAWSONS JEWELERS
1981	LAWSONS JEWELERS
1981	BREA MALL LWSON JWL

1064 Brea Mall

2011	SHOE CLINIC
2011	LIZ'S NAILS
2006	SHOE CLINIC
2006	LIZ'S NAILS
2002	NATURALIZER WEST
1996	SUNSHINE BEAUTY SPL
1996	SUNSHINE CNVNNCE ST
1996	SUNSHINE CONVNCE ST
1991	SUNSHINE BEAUTY SPL
1991	SUNSHINE CNVNNCE ST
1986	TEDS CLOCK EMPORIUM
1981	PANTS ETC
1981	BREA MALL PANTS ETC

1065 Brea Mall

2011	BREA MALL
2006	BREA MALL
2002	BREA MALL
1996	BREA MALL
1991	ICING THE
1986	BROOKS FASHIONS
1981	NOBBY

1066 Brea Mall

2011	HOT TOPIC
2011	GUESS JEANS
2006	GUESS JEANS
2006	HOT TOPIC
2002	GUESS JEANS
2002	HOT TOPIC
2002	CRYSTAL TREASURES ETC
1996	TODAYS DESIGN FURN
1996	GUESS JEANS
1996	CORPORATE PROPERTY
1996	CA ORGANIC COTTON

1068 Brea Mall

1996	XXXX
1991	J BURTON JEWELERS
1986	MATSUOKA STAN DR
1986	MURATA KENNETH DR
1981	MATSUOKA STAN DR
1981	MURATA KENNETH DR
1981	TANIGUCHI SUMIO DR

1072 Brea Mall

2006	LIFE UNIFORM& SHOE SHOPS
2002	LIFE UNIFORM SHOP

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1996	LIFE UNIFORM SHOP
1080 Brea Mall	
2011	RED ROBIN
2006	RED ROBIN
2002	RED ROBIN
1996	XXXX
1991	XXXX
1986	C PS GRILLE
1986	LAREDOS
1082 Brea Mall	
1996	XXXX
1991	XXXX
1986	REGAL SHOE SHOP
1981	REGAL SHOE SHOP
1086 Brea Mall	
1986	RED EYE INC
1981	BREA MALL PIGEONS
1981	PIGEONS BOUTIQUE
1088 Brea Mall	
1986	DAVID JAMES MENS SH
1981	CAROLS BATH&BEDDERY
1089 Brea Mall	
1996	XXXX
1991	LEEDS SHOE STORES
1986	LEEDS SHOE STORES
1981	LEEDS SHOE STORES
1091 Brea Mall	
1996	XXXX
1991	XXXX
1986	HOWARDS WESTERN WR
1092 Brea Mall	
1991	LEAHS FABRIC GLLRY
1986	LEAHS FBRC GLLERY
1094 Brea Mall	
1991	XXXX
1986	BAKER C H SHOE STR
1981	BAKER C H SHOE STR
1981	BAKER C H SHOES
1981	BREA MALL BAKER C H
1096 Brea Mall	
1991	PARKLANE HOSIERY ST
1986	PARKLANE HOSIERY ST
1981	PARKLANE HOSIERY ST
1981	BREA MALL PKLNE HOS
1098 Brea Mall	
1991	XXXX
1986	XXXX

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1981	BREA MALL D J CLTHG
1981	DAVID JAMES MNS SHP
1100 Brea Mall	
1986	DECK THE WALLS
1101 Brea Mall	
2011	CRABTREE & EVELYN
2006	CRABTREE & EVELYN
2002	CRABTREE&EVELYN
1996	CRABTREE&EVELYN
1991	OPTIKS
1102 Brea Mall	
1996	9 WEST
1991	9 WEST
1991	WET SEAL
1986	XXXX
1981	HOTEL FOR HBRDSHRY
1103 Brea Mall	
1996	WILSONS HOUSE SUEDE
1991	WILSONS HOUSE SUEDE
1104 Brea Mall	
2002	TRUE COLORS
1105 Brea Mall	
2002	XXXX
1996	BEBE
1991	DEFOREST CONSTR INC
1991	BEBE
1106 Brea Mall	
2011	PHILIA
2002	ATHLETE S FOOT THE
1107 Brea Mall	
2011	CARLTON HAIR INTL
2006	CARLTON HAIR INTL
2002	CARLTON HAIR INTL
1996	CARLTON HAIR INTL
1108 Brea Mall	
2011	DAISY SHOPPE
2011	B & G
2006	CARRAZ
2006	OSIM USA INC
2006	B & G
2002	CARRAZ WHITE ORCHID
1996	WHITE ORCHID
1991	CREATIVE GIFTS
1991	BIG&TALL MENS FSHN
1991	FORTY LOVE TENNIS
1986	BIG&TALL MENS FSHN
1981	BIG&TALL MENS FSHN

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1109 Brea Mall	
2011	SEE'S CANDIES BREA
1996	SEES CANDIES
1991	SEES CANDIES
1110 Brea Mall	
2011	WINDSOR FASHIONS INC
2006	WINDSOR FASHIONS INC
2006	VILLAGE GALLERY THE
2002	WINDSOR FASHIONS INC
2002	VILALGE GALLERY THE
2002	HARRIS&FRANK INC
1996	HARRIS&FRANK
1991	XXXX
1986	BUFFALO CONNECTION
1981	BRASS BED THE
1112 Brea Mall	
2002	XXXX
1996	VILLAGE GALLERY THE
1113 Brea Mall	
2011	EVERYTHING BUT WTR
2006	EVERYTHING BUT WTR
2002	EVERYTHING BUT WTR
1996	EVERYTHING BUT WTR
1996	KINDERFOTO STUDIOS
1991	EVERYTHING BUT WTR
1991	KINDERFOTO STUDIOS
1986	MAGIC RAZOR
1986	MAGIC RAZOR NAIL BR
1981	BREA MALL MAGIC RAZ
1981	MAGIC RAZOR NAIL BR
1981	MAGIC RAZOR
1114 Brea Mall	
2011	TALBOTS
2006	TALBOT'S
2002	TALBOTS
1996	TALBOTS
1991	TALBOTS
1986	GENERAL NUTRITON CT
1981	GENERAL NUTRITON CT
1116 Brea Mall	
2011	GODIVA BOUTIQUE
2006	GODIVA CHOCOLATIER
2002	GODIVA CHCOLATIER
1996	GODIVA CHOCOLATIER
1991	GODIVA CHOCOLATIER
1986	VIDEO CONCEPTS
1981	VIDEO CONCEPTS
1117 Brea Mall	

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2002	XXXX
1996	BOMBAY COMPANY THE

1118 Brea Mall

2011	FOOT LOCKER
2011	CHARLOTTE RUSSE
2006	FOOT LOCKER
2006	CHARLOTTE RUSSE
2002	FOOT LOCKER
2002	KIDS FOOT LOCKER 46753
2002	CHARLOTTE RUSSE
1996	FOOT LOCKER
1996	CHARLOTTE RUSSE
1991	FOOT LOCKER
1986	FOOT LOCKER
1981	BREA MALL FT LCKER
1981	FOOT LOCKER
1981	FOOTLOCKER STORE

1120 Brea Mall

2011	XXXX
2006	THE BEST NAILS
2002	BEST NAILS THE
1996	BEST NAILS THE
1991	XXXX
1986	HELEN GRACE CHOCOLT
1981	HELEN GRACE CANDIES

1121 Brea Mall

2011	PENINSULA LUGGAGE & GIFTS
2006	VELLANO ENTERPRISE
2002	NOBLE&WILD LUGGAGE
1996	KENSINGTON LUGGAGE
1991	ROOTENS LUGGAGE STR

1122 Brea Mall

2002	FRUZEN Mix
2002	SAMS TAILORING&CUSTOM SHOP
1996	NAVAJO WEST
1996	GLAMOUR SHOTS
1991	HALL J HERBERT JWLR
1986	XXXX
1981	BREA MALL H J JWLRS
1981	HALL J H JEWELERS

1123 Brea Mall

2011	CLAIRE'S
2006	CLAIRES BOUTIQUES
2002	CLAIRES BOUTIQUES
1996	THOMAS STATION

1124 Brea Mall

1996	BEN BRIDGE JEWELER
1991	BEN BRIDGE JEWELER

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1986	SUSIES CASUALS
1981	SUSIES CASUALS
1126 Brea Mall	
1996	XXXX
1991	XXXX
1986	DALTON B BOOKSELLER
1986	B DALTON BOOKSELLER
1981	BREA MALL B DALTON
1981	B DALTON BOOKSELLER
1128 Brea Mall	
1996	XXXX
1991	WOMANS WORLD SHOP
1986	WOMANS WORLD SHOP
1981	BREA MALL WMNS WRLD
1981	WOMANS WORLD SHOP
1130 Brea Mall	
1991	SAM GOODY
1986	MUSICLAND
1981	MUSICLAND
1981	BREA MALL MUSICLAND
1132 Brea Mall	
1996	XXXX
1991	XXXX
1986	THOM MCAN SHOE STR
1981	BREA MALL THOM MCAN
1981	THOM MCAN SHOE STR
1134 Brea Mall	
2006	ANCHOR BLUE
2002	MILLER S OUTPOST
1996	MILLERS OUTPST LEVI
1991	MILLERS OUTPST LEVI
1986	MILLERS OUTPST LEVI
1981	MILLERS OUTPST LEVI
1981	BREA MALL M OUTPOST
1138 Brea Mall	
1996	XXXX
1991	XXXX
1986	FOXMOOR CASUALS
1981	FOXMOOR CASUALS
1140 Brea Mall	
1986	GOOD LOCKS NAIL BAR
1986	GOOD LOOKS BTY SPLY
1981	GOOD LOOKS BTY SPLY
1981	GOOD LOOKS NAIL BAR
1981	BREA MALL GD BTY SL
1142 Brea Mall	
1996	XXXX
1991	XXXX

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1986	XXXX
1981	CREATIVE CORNERS
1146 Brea Mall	
1996	XXXX
1991	XXXX
1986	AT OUR HOUSE
1981	AT OUR HOUSE
1150 Brea Mall	
1996	XXXX
1991	XXXX
1986	SALMAGUNDI
1986	SALMAGUNDI MENU
1981	SALMAGUNDI
1152 Brea Mall	
1986	LITTLE FOLK SHOP
1154 Brea Mall	
1986	PRIVATE MOMENTS
1156 Brea Mall	
1986	DALES FOOTWORKS
1981	JAY JORDAN SHOES
1901 Brea Mall	
1986	XXXX
2000 Brea Mall	
1986	LERNER SHOP
1981	LERNER SHOP
2001 Brea Mall	
2011	SPENCER GIFTS
2011	BARKWORKS
2006	HELEN'S BEAUTY SUPPLY & SALON
2006	CHIEN ET CHAT
2002	HELENS BEAUTY SUPPLY&SALON
2002	CHIEN ET CHAT
1996	HELENS BTY SPLY SLN
1991	LERNER SHOPS
2002 Brea Mall	
2011	THE PICTURE PEOPLE
2006	PICTURE PEOPLE THE
2002	PICTURE PEOPLE THE
1991	EXPERSSLY PORTRAITS
2003 Brea Mall	
2011	SPENCER GIFTS
2006	SPENCER GIFTS
2002	SPENCER GIFTS
1996	HOWARD&PHILS WEAR
1991	HOWARD&PHILS WESTRN
2004 Brea Mall	
2011	DISNEY STORE INC

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2006	DISNEY STORE INC
2002	K B TOYS
1996	PAYLESS SHOESOURCE
1986	PAC SUNWEAR
1981	XXXX

2005 Brea Mall

2011	CHAMPS
2006	CHAMPS
2002	CHAMPS
1996	OSHMANS SPRTNG GOOD

2006 Brea Mall

2011	AMER GREETINGS
2006	CARLTON CARDS
2002	CARLTON CARDS
1996	CARTON CARDS
1991	XXXX
1986	SINGER SEWING MACHN
1986	HOUSE FABRICS MACH
1986	HOUSE OF FABRICS
1981	HOUSE OF FABRICS

2007 Brea Mall

2011	CRAZY 8 STORE
2006	WILSON'S SUEDE&LEATHER
2002	WILSON S SUEDE&LEATHER
1996	KINNEY SHOES
1991	BILL GAMBLES MNS WR

2008 Brea Mall

2006	ICING BY CLAIRE'S
2006	AMY BIDDLE
2002	ICING THE
1996	ACCESSORY PLACE
1991	CHIC ACCESSORIES
1991	PAYLESS SHOESOURCE
1986	GALLENKAMP SHOES
1981	BREA MALL GALLENKMP
1981	GALLENKAMP SHOES

2009 Brea Mall

1996	XXXX
1991	HATFIELD JEWELERS

2010 Brea Mall

2011	G GUCCINI
2006	GUCCINI
2002	GUCCINI
1996	G GUCCINI
1991	OSHMANS SPRTG GOODS
1991	JACQUES VERT USA
1986	OSHMANS SPORTNG GDS
1981	BREA MALL HSE FABIC

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1981	OSHMANS SPORTNG GDS
2011 Brea Mall	
2011	J CREW
2006	J CREW
1996	XXXX
2013 Brea Mall	
2011	THE BODY SHOP
2006	BODY SHOP THE
2002	BODY SHOP THE
1996	BODY SHOP THE
2014 Brea Mall	
2002	XXXX
1996	WINDSOR FASHIONS
1991	WINDSOR FASHIONS
1991	CASUAL CORNER
1986	CASUAL CORNER
1981	CASUAL CORNER
2015 Brea Mall	
2011	BROOKSTONE
2006	BROOKSTONE CO
2002	BROOKSTONE CO
1996	BROOKSTONE CO
1991	BAILEY BANKS&BIDDLE
2016 Brea Mall	
2011	GAP
2006	BANANA REPUBLIC
2002	BANANA REPUBLIC
1996	BANANA REPUBLIC
1991	BRENTANOS
1986	BILL GAMBLE MENS WR
1981	BILL GAMBLE MENS WR
2018 Brea Mall	
1996	XXXX
1991	XXXX
1986	CHIC ACESSORIES
1981	CHIC ACESSORIES
1981	BREA MALL CHIC ASSE
2020 Brea Mall	
2011	FRED MEYER JEWELERS BREA
2002	FRED MEYERS JEWELERS
1986	HATFIELD JEWELERS
1981	HATFIELD JEWELERS
1981	BREA MALL HTFLD JWL
2021 Brea Mall	
2006	PETITE SOPHISTICATE
2002	PETITE SOPHISTICATE
1996	PETITE SOPHISTICATE
1991	ALLUSIONS A CONCEPT

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1991	CHARLOTTE RUSSE
2022 Brea Mall	
1996	SESAME ST RETAIL
2024 Brea Mall	
2002	STRUCTURE
1996	STRUCTURE
1991	XXXX
1986	TOY BOX
1981	TOY BOX
1981	BREA MALL TOY BOX
2027 Brea Mall	
2011	JUSTICE
2011	CACHE
2011	MRS FIELDS
2006	CACHE
2006	MRS FIELDS COOKIES
2006	LIMITED TOO THE
2002	MRS FIELDS COOKIES
2002	LIMITED TOO THE
1996	PEA POD MATERNITY
1996	MRS FIELDS COOKIES
1996	LIMITED TOO THE
1996	SPORTS FANTASY
1996	SWEET FACTORY
1996	PEARLE VISIONCARE
1996	PEARLE VISION EXPRS
1991	BREA MALL
1986	BREA MALL
1981	NATL UNIFORM SHOPS
1981	BREA MALL MANAGMNT
1981	HOMART DEVELOPMENT
2028 Brea Mall	
1996	XXXX
1991	XXXX
1986	FREDERICKS OF HLYWD
1981	WINNING WOMEN THE
2030 Brea Mall	
1986	WILSONS HS OF SUEDE
1981	BREA MALL W HSE SUE
1981	HILANDS TOBCCO LCKR
2032 Brea Mall	
1996	XXXX
1991	MANDARIN GEMS OF CA
1986	MANDARIN GEMS BREA
2034 Brea Mall	
1996	XXXX
1991	UNITS
1986	HILANDS TOBCCO LCKR

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2036 Brea Mall

1996	XXXX
1991	XXXX
1986	KINDERFOTO
1981	KINDERFOTO
1981	BREA MALL KINDERFOT

2037 Brea Mall

2011	PHOTO PERFECTIONEST
2006	PHOTO PERFECTIONEST
2002	STAR IMAGE
1996	SIGN OF GOOD TASTE

2038 Brea Mall

2011	OC DESIGN
1996	XXXX
1991	XXXX
1986	JACKIES FASHION CTR
1981	JACKIES FASHION CTR

2040 Brea Mall

2011	WET SEAL
1986	COOKS CORNER
1981	MS OS PAN TREE
1981	BREA MALL MS OS PAN

2041 Brea Mall

2011	EXPRESS
2006	EXPRESS
1996	XXXX
1991	VALLEY HALLMARK

2042 Brea Mall

1996	XXXX
1991	XXXX
1986	PABLOS KITCHEN
1981	BREA MALL ORG JULIS
1981	BREA MALL HAMBRG
1981	PABLOS KITCHEN
1981	BREA MALL PBLS KTCH

2044 Brea Mall

2011	AVEDA ENVIROMENTAL LFSTYLS STR
2006	AVEDA ENVIROMENTAL LFSTYLS STR
2002	AVEDA ENVIROMENTAL LFSTYLS STR
1996	XXXX
1991	GORDONS JEWLRS BREA

2045 Brea Mall

1996	FLORSHEIM SHOE SHOP

2046 Brea Mall

2011	COUNTRY COLLECTION THE
2006	COUNTRY COLLECTION
2002	COUNTRY COLLECTION

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1996	COUNTRY COLLECTION
1991	COUNTRY COLLECTION
1986	TERIYAKI HOUSE
1981	BREA MALL THE PIER
1981	PIER THE

2047 Brea Mall

2011	STRIDE RITE
2006	BREA STRIDE RITE
2006	STRIDE RITE
2002	BREA STRIDE RITE
2002	STRIDE RITE
1996	BREA STRIDE RITE
1996	STRIDE RITE

2048 Brea Mall

2011	TOKYO JAPANESE LIFE STYLE
2006	RITZ CAMERA CENTERS BREA MALL
2002	RITZ CAMERA CENTERS
1996	KITS CAMERAS
1991	CIRCUIT THE
1986	FAMOUS RAMOS HOT DG
1981	BREA MALL R HOT DGS
1981	FAMOUS RAMOS HOT DG

2049 Brea Mall

2011	BREA MALL OPTOMETRIST THE
2011	MATSUOKA STAN DR
2006	MATSUOKA STAN DR
2006	N G MONIKA DR
2006	NINOMIYA SANDRA DR
2006	YOSHIMURA AUDRA DR FAAO
2002	KNIFE GALLERY INC
1996	KNIFE GALLERY INC
1991	KNIFE GALLERY INC

2050 Brea Mall

2011	VANS
2011	THE VAGABOND
2002	HOME DESIGN
1996	VANS TENNIS SHOES
1991	0 2 14
1986	CAROUSEL PIZZA
1981	CAROUSEL PIZZA
1981	BREA MALL CAROUSEL

2051 Brea Mall

2002	SHOE CLINIC
1996	LITTLE COBBLER THE

2052 Brea Mall

2011	XXXX
2006	VAN'S TENNIS SHOES
2002	VAN S TENNIS SHOES

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2002	CALIF CRISP
1996	CA CRISP
1996	COPELANDS SPORTS
1991	CA CRISP
1991	COPELANDS SPORTS
1986	L A CRISP
1981	SULTANS DEN
2053 Brea Mall	
1996	XXXX
1991	THE GRT AMER STORY
2054 Brea Mall	
2011	BATH & BODY WORKS
2006	BATH AND BODY WORKS
2002	BATH AND BODY WORKS
1996	CACIQUE
1991	SANTA ANITA LUGGAGE
1986	CHINESE KING
1981	BREA MALL CHNESE KG
1981	CHINESE KING
2055 Brea Mall	
2011	GYMBOREE
2006	GYMBOREE STORE THE
2002	GYMBOREE STORE THE
1996	JAY JACOBS FOR MEN
1991	JAY JACOBS FOR MEN
2056 Brea Mall	
1996	IMPOSTORS BREA MALL
1991	IMPOSTORS BREA MALL
1986	CORN DOG ON A STICK
2057 Brea Mall	
2011	BOSTONIAN SHOES
2006	BOSTONIAN SHOES
2002	BOSTONIAN SHOES
1996	BOSTONIAN SHOES
1991	HANOVER SHOE STORE
1986	XXXX
1981	SKYLINE WEST
2058 Brea Mall	
2011	XXXX
2006	ILLUMINATIONS
2002	ILLUMINATIONS
1996	9&CO
1991	XXXX
1986	FILLING STATION THE
1981	EARL OF SANDWICH
2059 Brea Mall	
2011	LADY FOOTLOCKER
2006	LADY FOOTLOCKER

DRAFT

2002	LADY FOOTLOCKER
1996	LADY FOOTLOCKER
1991	LADY FOOTLOCKER
1986	TIFFANYS BAKERY
1981	TIFFANYS BAKERIES

2060 Brea Mall

1996	XXXX
1986	HAAGEN DAZS ICE CRM
1981	SCOOPING STATION
1981	BREA MALL SCOOP STA

2062 Brea Mall

2011	FREDERICK'S OF HOLLYWOOD
2006	FREDERICK'S OF HOLLYWOOD
2002	FREDERICKS HOLLYWD
1996	FREDERICKS HOLLYWD
1986	1 POTATO 2 INC

2063 Brea Mall

2011	EYEXAM OF CA BREA MALL LCTN
2011	LENSCRAFTERS BREA MALL
2011	DOCTORS OF OPTMTRY BRA MLL
2002	LENSCRAFTERS
2002	EYEXAM 2000 OF CALIFORNIA INC
2002	DOCTORS OF OPTOMETRY
1996	XXXX
1991	XXXX
1986	NATURALIZER WEST
1981	BREA MALL NATURALZR
1981	NATURALIZER WEST

2064 Brea Mall

2002	XXXX
1996	LECHTERS HOUSEWARE
1991	LECHTERS HOUSEWARES
1986	THIRSTYS BREA INC
1981	BEJEWELED OF BREA

2065 Brea Mall

2011	AEROPOSTALE
2006	GRAPHICS
1986	CARTOON JUNCTION

2066 Brea Mall

2011	REFLECTION
2006	CHLOE ACCESSORIES INC
2006	RETRO RETRO
2002	NOTHING BUT SILVER
1996	HEALTHRIDER
1991	ALCALA
1986	WINE SHOPPE ETC THE
1981	BREA MALL DONUT SHP
1981	WINCHELLS DONUT HSE

DRAFT

2067 Brea Mall

2011	ANCHOR BLUE
2006	PAYLESS SHOESOURCE
2002	CARTOON Field
2002	PAYLESS SHOESOURCE
1996	XXXX
1991	TOY BOX

2068 Brea Mall

1986	MALL MUNCHIES
1981	MALL MUNCHIES

2069 Brea Mall

1996	XXXX
1991	XXXX
1986	SUNGLASS THE
1986	THE SUNGLASS
1981	SUNGLASS THE

2072 Brea Mall

1996	TANIGUCHI SUMIO DR
1991	TANIGUCHI SUMIO DR
1991	MURATA KENNETH DR

2074 Brea Mall

1996	XXXX
1991	XXXX
1986	WILD TOPS
1981	CALIF T SHIRTS
1981	BREA MALL T SHIRTS

2076 Brea Mall

1986	XXXX
1981	BREA MALL ALLTIME I
1981	ALLTIME INC

2078 Brea Mall

1996	XXXX
1991	XXXX
1986	WHEREHOUSE THE
1981	WHEREHOUSE THE

2080 Brea Mall

1996	RADIO SHACK A DIV
1991	RADIO SHACK A DIV
1991	TANDY CNSMR ELTRNC
1986	RADIO SHACK RTL STR
1981	RADIO SHACK BREA
1981	BREA MALL RDO SHACK

2082 Brea Mall

1996	XXXX
1991	WALDENBOOKS
1986	WALDENBOOKS
1986	HOBBYMAN

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1981	BREA MALL HOBBYMAN
1981	HOBBYMAN
2084 Brea Mall	
1996	XXXX
1991	XXXX
1986	XXXX
1981	WALDEN BOOKS
2086 Brea Mall	
1996	XXXX
1991	XXXX
1986	VALLEY HALLMARK
1981	BREA MALL VLY HLLMK
1981	VALLEY HALLMARK
2088 Brea Mall	
1996	XXXX
1991	C V S
1986	C V S
1981	C V S
1981	BREA MALL C V S
2090 Brea Mall	
1991	GAP THE
1986	GAP THE
1981	GAP THE
1981	BREA MALL GAP THE
2092 Brea Mall	
1991	XXXX
1986	GORDONS JEWELERS
1981	GORDONS JEWELERS
1981	BREA MALL GORDONS
2094 Brea Mall	
1991	FLORSHEIM SHOE SHOP
1986	FLORSHEIM SHOE SHOP
1981	FLORSHEIM SHOE STRS
1981	BREA MALL FLORSHEIM
2098 Brea Mall	
1991	XXXX
1986	COUNTRY COLLECTION
1981	COUNTRY COLLECTION
1981	BREA MALL CO CLLECT
2100 Brea Mall	
1991	BROOKS SHOES KIDS
1986	STRIDE RITE BOOTERY
1986	BARRYS STRIDE RITE
1981	STRIDE RITE BOOTERY
1981	BREA MALL STRIDE RI
1981	BARRYS STRIDE RITE
2101 Brea Mall	

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2011	THINGS REMEMBERED BREA MALL
2002	FRANKLIN MINT
1996	FRANKLIN MINT
2102 Brea Mall	
2011	SUNGLASS HUT INTL
2006	SUNGLASS HUT INTL
2002	SUNGLASS HUT INTL
1996	MUSIC BOX THE
1991	XXXX
1986	CIRCUIT THE
1981	CIRCUIT THE
1981	BREA MALL CIRCUIT
2103 Brea Mall	
2002	XXXX
1996	SNAPZ
2104 Brea Mall	
2002	BENETTON
1996	PENDLETON BREA
1991	PENDELTON Brea
1986	KNIFE GALLERY THE
1981	KNIFE GALLERY THE
2105 Brea Mall	
1996	XXXX
2106 Brea Mall	
2011	PAPYRUS
2006	PAPYRUS
2002	PAPYRUS
1996	PAPYRUS
1991	PAPYRUS
1986	PAPPAGALLO SHOES
1981	BREA MLL PAPPAGALLO
1981	SHOP FOR PAPPAGLLO
2107 Brea Mall	
2011	FOREIGN EXCHANGE
2006	BOMBAY
2002	BOMBAY COMPANY THE
1996	BANK OF ATQ RPRDCTN
1991	BANK OF ATQ RPRDCTN
2108 Brea Mall	
2011	XXXX
2006	PRINTS PLUS
2002	PRINTS PLUS
1996	RITZ CAMERA CENTER
2109 Brea Mall	
2011	AMES APPAREL LLC
2006	AMES APPAREL LLC
2002	AMES LADIES WEAR
1996	AMES LADIES WEAR

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1991	AMES LADIES WEAR
2110 Brea Mall	
2002	MUSICLAND
1996	MUSICLAND
1991	BREA GALLERY INC
1986	ON THE GO TRAVEL SV
1981	BREA MALL ON THE GO
1981	ON THE GO TRAVEL SV
2111 Brea Mall	
2011	REGIS SALONS
2011	THOMAS STATION
2006	THOMSEN TOYS
2002	THOMAS STATION
1996	G H Q
2112 Brea Mall	
2011	XXXX
2006	LE DIPLOMATE CAFÉ
2002	LE DIPLOMATE CAFÉ
1996	A PEA IN POD MTRNTY
1991	XXXX
1986	KAPLANS DELI&REST
1981	BREA MALL KPLNS DEL
1981	KAPLANS DELI&REST
2116 Brea Mall	
2011	WATCH WORKS
2006	WATCH WORKS
2006	WATCH WORLD
2002	WATCH WORKS
1996	MURATA PEARL CO CA
2117 Brea Mall	
2011	ANN TAYLOR
2006	ANN TAYLOR
2002	ANN TAYLOR
1996	ANN TAYLOR
1991	ANN TAYLOR
2118 Brea Mall	
1996	EDDIE BAUER
1991	EDDIE Bauer
2119 Brea Mall	
1996	STRICTLY SUNGLASSES
1996	CLAIREAS BOUTIQUE
1996	K T GROUP
1996	KEEPING TIME
2120 Brea Mall	
1996	KIDS BY DESIGN
1991	GREAT AMER STRY THE
1986	THE GRT AMERCN STRY
1986	GREAT AM SHRT STRY

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2121 Brea Mall	
2006	MOTHERHOOD MATERNITY
2002	MOTHERHOOD MATERNITY
1996	XXXX
1991	SWEATS&SURF
2122 Brea Mall	
2011	LE DIPLOMATE CAFÉ
2002	XXXX
1996	LE DIPLOMATE CAFÉ
1991	LE DIPLOMATE CAFÉ
1986	SANTA ANITA LUGGAGE
1981	SANTA ANITA LUGGAGE
2123 Brea Mall	
1996	PRINTS PLUS
1991	ETCETERA FASHION
2124 Brea Mall	
2002	CANDY EXPRESS
1996	CANDY EXPRESS
1991	XXXX
1986	JOELS
1981	BREA MALL JOELS
1981	JOELS
2126 Brea Mall	
1986	MORROWS NUT HOUSE
1981	BREA MALL M NUT HSE
1981	MORROWS NUT HOUSE
2128 Brea Mall	
1986	HANOVER SHOE STORE
1981	HANOVER SHOES
2130 Brea Mall	
1996	XXXX
1991	SIZE 5 7 9 SHOPS
1986	SIZE 5 7 9 SHOPS
1981	SIZE 5 7 9 SHOPS
2132 Brea Mall	
1996	XXXX
1991	XXXX
1986	XXXXX
1981	BREA MALL ACCNT MUS
1981	ACCENT MUSIC
2134 Brea Mall	
1986	SPENCER GIFTS
1981	BREA MALL SPENCER
1981	SPENCER GIFTS
2136 Brea Mall	
1996	XXXX
1991	JUDYS

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1986	JUDYS
1981	JUDYS
2139 Brea Mall	
1996	XXXX
1991	FREDERICKS OF HLYWS
1986	JOYCE SELBY SHOES
1981	JOYCE SELBY SHOES
2140 Brea Mall	
1991	LIMITED THE
1986	LIMITED THE
1981	LIMITED THE
2142 Brea Mall	
1991	XXXX
1986	WOODTOWNE FURN CO
1981	WOODTOWNE
2144 Brea Mall	
1986	MALING SHOES
1981	MALING SHOES
2146 Brea Mall	
1986	XXXX
1981	BREA MALL PAL VACUM
1981	PALS VAC SEW CNTRS
1981	SINGER COMPANY THE
2148 Brea Mall	
1986	HANSEL N GRETEL SHP
1981	BREA MALL HNSL&GRTL
1981	HANSEL N GRETEL SHP
2151 Brea Mall	
2011	GLORIA JEANS COFFEE
2006	GLORIA JEANS COFFEE
2002	GLORIA JEANS COFFEE
1996	GLORIA JEANS COFFEE
2152 Brea Mall	
2011	CINNABON
1996	CINNABON
1986	BANK ANTQ RPRDCTNS
1981	CAFÉ BEIGNET
2154 Brea Mall	
1986	I NATURAL COSMETICS
1981	I NATURAL COSMETICS
2156 Brea Mall	
2002	DAIRY QUEEN
1996	DAIRY QUEEN
1991	JAY JACOBS
1986	JAY JACOBS
1981	GENES
2157 Brea Mall	

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2011	TACOS & COMPANY
2006	TACOS & COMPANY
2002	TACOS&COMPANY
1996	BAJA GRILL
2158 Brea Mall	
1996	XXXX
1991	XXXX
1986	WINDSOR FASHIONS
1981	WINDSOR FASHIONS
2159 Brea Mall	
2006	CHICKEN ROMA
2160 Brea Mall	
2011	XXXX
2006	CARL'S JR RESTAURANTS
2002	CARLS JR RESTAURANT
1996	CARLS JR RESTAURANT
1991	CARLS JR RESTAURANT
2161 Brea Mall	
1996	TERIYAKI TOKYO
2162 Brea Mall	
2011	XXXX
2006	VOLCANO TEA HOUSE
2002	VOLCANO TEA HOUSE
1996	BENNETTS PIT
1991	XXXX
1986	SLAVICS JEWELERS
1981	SLAVICS JEWELERS
2163 Brea Mall	
2006	ARBY'S
2002	ARBYS
1996	ARBYS
2164 Brea Mall	
2011	XXXX
2006	GREAT STEAK&FRY THE
2002	GREAT STEAK&FRY THE
1996	GREAT STEAK&FRY THE
2166 Brea Mall	
2011	GARDEN COURMET& CA SQUEEZE
2006	GARDEN GOURMET&CA SQUEEZE
2002	GARDEN GOURMET&CALIF SQUEEZE
2167 Brea Mall	
1996	A&W HOT DOGS&MORE
2170 Brea Mall	
2011	VITAMIN WORLD
2006	IGE ERIC DR
2006	VITAMIN WORLD
2002	MURATA KENNETH DR

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2002	MATSUOKA STAN DR
2002	IGE ERIC DR
1996	MATSUOKA STAN DR
1996	MURATA KENNETH DR
1991	MATSUOKA STAN DR

2171 Brea Mall

2011	DAIRY QUEEN
2006	DAIRY QUEEN
2002	CUSTOM IMAGES
1996	XXXX
1991	I NATURAL COSMETICS

2172 Brea Mall

2011	BOARDWALK-SU & SNOW
2006	KIDS BEST DESIGN
2002	KIDS BEST DESIGN

Abstract Section 2: This section includes the city directory data sorted by the year the city directory was published.

2011

100 Brea Mall	H & R BLOCK
100 Brea Mall	MIRACLE-EAR
100 Brea Mall	SEARS GENERAL INFORMATION
100 Brea Mall	SEARS OPTICAL
100 Brea Mall	CRYSTAL EMPRESS
120 Brea Mall	LOCK 1 SERVICES
120 Brea Mall	THE CHEESECAKE FACTORY
200 Brea Mall	BREA MLL BRDWLK SRF SKTE & SNW
200 Brea Mall	MACY'S THE MACY'S BREA
200 Brea Mall	MACY'S MACY'S WEST
200 Brea Mall	MACY'S BEA
200 Brea Mall	BREA MALL NATURALIZER WEST
200 Brea Mall	BREA MALL MACY'S
200 Brea Mall	BREA MALL CNTRY COLLECTION THE
200 Brea Mall	MACY'S DEPARTMENT STORES
212 Brea Mall	PANDA EXPRESS
250 Brea Mall	RED LOBSTER RESTAURANTS
270 Brea Mall	OLIVE GARDEN ITALIAN REST BREA
400 Brea Mall	JCPENNEY BREA MALL
400 Brea Mall	JCPENNEY OPTICAL
400 Brea Mall	JCPENNEY PORTRAIT STUDIO
500 Brea Mall	NORDSTROM
562 Brea Mall	TROJAN DIVERSIFIED
600 Brea Mall	BJ'S RESTAURANT AND BREWERY
1001 Brea Mall	GLEN IVY DAY SPA
1002 Brea Mall	MEN'S WEARHOUSE & TUX
1003 Brea Mall	ANTIE ANNE'S SOFT PRETZEL'S
1004 Brea Mall	THE CHILDREN'S PLACE
1006 Brea Mall	AMER EAGLE OUTFITTERS

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1006 Brea Mall	BEACHWORKS
1007 Brea Mall	XXXX
1008 Brea Mall	GAP KIDS
1009 Brea Mall	NATURALIZER SHOES BREA MALL
1010 Brea Mall	KAY JEWELERS
1011 Brea Mall	RAY-BAN
1011 Brea Mall	DISCOVERY CHANNEL STORE
1013 Brea Mall	LUCKY BRAND DUNGAREES
1014 Brea Mall	METROPARK
1015 Brea Mall	BRIGHTON
1020 Brea Mall	JANIE & JACK STORE
1021 Brea Mall	ECCO SHOES
1022 Brea Mall	BEN BRIDGE JEWELER
1024 Brea Mall	APPLE STORE
1025 Brea Mall	FOREVER 21
1026 Brea Mall	THE LIMITED
1031 Brea Mall	SELECT COMFORT
1032 Brea Mall	LIFE UNIFORM&SHOE SHOPS
1034 Brea Mall	KEVIN JEWELERS
1035 Brea Mall	JOURNEYS
1036 Brea Mall	HEAVENLY COUTURE
1041 Brea Mall	PANDORA BREA MALL
1042 Brea Mall	CATHY JEAN
1043 Brea Mall	ICING BY CLAIRE'S
1044 Brea Mall	LANE BRYANT
1045 Brea Mall	SAM'S TAILORING & CUSTOM SHOP
1045 Brea Mall	UNSA ENTERPRISES
1047 Brea Mall	XXXX
1048 Brea Mall	SIDECCA
1050 Brea Mall	PACSUN
1052 Brea Mall	COACH
1055 Brea Mall	BREA MALL GAP THE
1055 Brea Mall	GAP
1055 Brea Mall	GAP BREA
1060 Brea Mall	MEN'S WEARHOUSE
1062 Brea Mall	PERFUME GALLERY
1063 Brea Mall	JEWELER'S BENCH
1064 Brea Mall	SHOE CLINIC
1064 Brea Mall	LIZ'S NAILS
1065 Brea Mall	BREA MALL
1066 Brea Mall	GUESS JEANS
1066 Brea Mall	HOT TOPIC
1080 Brea Mall	RED ROBIN
1101 Brea Mall	CRABTREE & EVELYN
1106 Brea Mall	PHILIA
1107 Brea Mall	CARLTON HAIR INTL
1108 Brea Mall	DAISY SHOPPE
1108 Brea Mall	B & G

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1109 Brea Mall	SEE'S CANDIES BREA
1110 Brea Mall	WINDSOR FASHIONS INC
1113 Brea Mall	EVERYTHING BUT WTR
1114 Brea Mall	TALBOTS
1116 Brea Mall	GODIVA BOUTIQUE
1118 Brea Mall	CHARLOTTE RUSSE
1118 Brea Mall	FOOT LOCKER
1120 Brea Mall	XXXX
1121 Brea Mall	PENINSULA LUGGAGE & GIFTS
1123 Brea Mall	CLAIRE'S
2001 Brea Mall	SPENCER GIFTS
2001 Brea Mall	BARKWORKS
2002 Brea Mall	THE PICTURE PEOPLE
2003 Brea Mall	SPENCER GIFTS
2004 Brea Mall	DISNEY STORE INC
2005 Brea Mall	CHAMPS
2006 Brea Mall	AMER GREETINGS
2007 Brea Mall	CRAZY 8 STORE
2010 Brea Mall	G GUCCINI
2011 Brea Mall	J CREW
2013 Brea Mall	THE BODY SHOP
2015 Brea Mall	BROOKSTONE
2016 Brea Mall	GAP
2020 Brea Mall	FRED MEYER JEWELERS BREA
2027 Brea Mall	JUSTICE
2027 Brea Mall	MRS FIELDS
2027 Brea Mall	CACHE
2037 Brea Mall	PHOTO PERFECTIONEST
2038 Brea Mall	OC DESIGN
2040 Brea Mall	WET SEAL
2041 Brea Mall	EXPRESS
2044 Brea Mall	AVEDA ENVIROMENTAL LFSTYLS STR
2046 Brea Mall	COUNTRY COLLECTION THE
2047 Brea Mall	STRIDE RITE
2048 Brea Mall	TOKYO JAPANESE LIFE STYLE
2049 Brea Mall	BREA MALL OPTOMETRIST THE
2049 Brea Mall	MATSUOKA STAN DR
2050 Brea Mall	THE VAGABOND
2050 Brea Mall	VANS
2052 Brea Mall	XXXX
2054 Brea Mall	BATH & BODY WORKS
2055 Brea Mall	GYMBOREE
2057 Brea Mall	BOSTONIAN SHOES
2058 Brea Mall	XXXX
2059 Brea Mall	LADY FOOTLOCKER
2062 Brea Mall	FREDERICK'S OF HOLLYWOOD
2063 Brea Mall	EYEXAM OF CA BREA MALL LCTN
2063 Brea Mall	LENSCRAFTERS BREA MALL

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2063 Brea Mall	DOCTORS OF OPTMTRY BRA MLL
2065 Brea Mall	AEROPOSTALE
2066 Brea Mall	REFLECTION
2067 Brea Mall	ANCHOR BLUE
2101 Brea Mall	THINGS REMEMBERED BREA MALL
2102 Brea Mall	SUNGLASS HUT INTL
2106 Brea Mall	PAPYRUS
2107 Brea Mall	FOREIGN EXCHANGE
2108 Brea Mall	XXXX
2109 Brea Mall	AMES APPAREL LLC
2111 Brea Mall	REGIS SALONS
2111 Brea Mall	THOMAS STATION
2112 Brea Mall	XXXX
2116 Brea Mall	WATCH WORKS
2117 Brea Mall	ANN TAYLOR
2122 Brea Mall	LE DIPLOMATE CAFÉ
2151 Brea Mall	GLORIA JEANS COFFEE
2152 Brea Mall	CINNABON
2157 Brea Mall	TACOS & COMPANY
2160 Brea Mall	XXXX
2162 Brea Mall	XXXX
2164 Brea Mall	XXXX
2166 Brea Mall	GARDEN COURMET& CA SQUEEZE
2170 Brea Mall	VITAMIN WORLD
2171 Brea Mall	DAIRY QUEEN
2172 Brea Mall	BOARDWALK-SU & SNOW
2006	
0 Brea Mall	WALDENBOOKS
0 Brea Mall	FUNCOLAND
0 Brea Mall	BORDERS EXPRESS
0 Brea Mall	GARYS TUX SHOPS
0 Brea Mall	KAY JEWELERS
0 Brea Mall	NEXTEL RETAIL STORES INC
0 Brea Mall	RADIOSHACK
0 Brea Mall	SEES CANDIES
100 Brea Mall	SEARS
120 Brea Mall	THE CHEESECAKE FACTORY
200 Brea Mall	MACY'S
200 Brea Mall	MACY'S WEST BREA
212 Brea Mall	PANDA EXPRESS
250 Brea Mall	RED LOBSTER RESTAURANTS
270 Brea Mall	OLIVE GARDEN ITALIAN REST BREA
300 Brea Mall	ROBINSONS-MAY BREA
400 Brea Mall	JC PENNEY OPTICAL
500 Brea Mall	NORDSTROM
600 Brea Mall	BJ'S RESTAURANT AND BREWERY
1001 Brea Mall	GLEN IVY DAY SPA
1003 Brea Mall	AUNTIE ANNES PRTZLS

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1004 Brea Mall	CHILDREN'S PLACE THE
1006 Brea Mall	AMER EAGLE OUTFITTERS
1006 Brea Mall	BEACH ACCESS INC
1007 Brea Mall	THINGS REMEMBERED
1008 Brea Mall	GAP KIDS
1009 Brea Mall	NATURALIZER WEST
1011 Brea Mall	DISCOVERY CHANNEL STORE
1011 Brea Mall	RAY-BAN
1013 Brea Mall	LUCKY BRAND DUNGAREES
1020 Brea Mall	JANIE & JACK STORE
1021 Brea Mall	ECCO SHOES
1022 Brea Mall	BEN BRIDGE JEWELER
1024 Brea Mall	APPLE STORE
1025 Brea Mall	FOREVER 21
1026 Brea Mall	THE LIMITED
1031 Brea Mall	CRESCENT JEWELERS
1034 Brea Mall	DUXIANA-THE DUX BED
1035 Brea Mall	JOURNEYS
1036 Brea Mall	BOARDWALK SURF SKATE&SNOW
1041 Brea Mall	WHITEHALL CO JEWELLERS THE
1042 Brea Mall	CATHY JEAN
1043 Brea Mall	SANRIO SURPRISES
1044 Brea Mall	LANE BRYANT
1044 Brea Mall	HELEN GRACE CHOCOLATES
1044 Brea Mall	GENL NUTRITION CENTER
1045 Brea Mall	SAM'S TAILORING & CUSTOM SHOP
1047 Brea Mall	REGIS SALON
1050 Brea Mall	PAC SUNWEAR
1052 Brea Mall	COACH STORE THE
1055 Brea Mall	GAP THE
1057 Brea Mall	PAC SUNWEAR
1059 Brea Mall	PERFUME GALLERY
1061 Brea Mall	SILHOUETTE
1062 Brea Mall	ALEXANDER'S HAIR INTERNATIONAL
1063 Brea Mall	JEWELER'S BENCH
1064 Brea Mall	SHOE CLINIC
1064 Brea Mall	LIZ'S NAILS
1065 Brea Mall	BREA MALL
1066 Brea Mall	HOT TOPIC
1066 Brea Mall	GUESS JEANS
1072 Brea Mall	LIFE UNIFORM& SHOE SHOPS
1080 Brea Mall	RED ROBIN
1101 Brea Mall	CRABTREE & EVELYN
1107 Brea Mall	CARLTON HAIR INTL
1108 Brea Mall	B & G
1108 Brea Mall	CARRAZ
1108 Brea Mall	OSIM USA INC
1110 Brea Mall	WINDSOR FASHIONS INC

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1110 Brea Mall	VILLAGE GALLERY THE
1113 Brea Mall	EVERYTHING BUT WTR
1114 Brea Mall	TALBOT'S
1116 Brea Mall	GODIVA CHOCOLATIER
1118 Brea Mall	FOOT LOCKER
1118 Brea Mall	CHARLOTTE RUSSE
1120 Brea Mall	THE BEST NAILS
1121 Brea Mall	VELLANO ENTERPRISE
1123 Brea Mall	CLAIRES BOUTIQUES
1134 Brea Mall	ANCHOR BLUE
2001 Brea Mall	CHIEN ET CHAT
2001 Brea Mall	HELEN'S BEAUTY SUPPLY & SALON
2002 Brea Mall	PICTURE PEOPLE THE
2003 Brea Mall	SPENCER GIFTS
2004 Brea Mall	DISNEY STORE INC
2005 Brea Mall	CHAMPS
2006 Brea Mall	CARLTON CARDS
2007 Brea Mall	WILSON'S SUEDE&LEATHER
2008 Brea Mall	AMY BIDDLE
2008 Brea Mall	ICING BY CLAIRE'S
2010 Brea Mall	GUCCINI
2011 Brea Mall	J CREW
2013 Brea Mall	BODY SHOP THE
2015 Brea Mall	BROOKSTONE CO
2016 Brea Mall	BANANA REPUBLIC
2021 Brea Mall	PETITE SOPHISTICATE
2027 Brea Mall	MRS FIELDS COOKIES
2027 Brea Mall	LIMITED TOO THE
2027 Brea Mall	CACHE
2037 Brea Mall	PHOTO PERFECTIONEST
2041 Brea Mall	EXPRESS
2044 Brea Mall	AVEDA ENVIROMENTAL LFSTYLS STR
2046 Brea Mall	COUNTRY COLLECTION
2047 Brea Mall	STRIDE RITE
2047 Brea Mall	BREA STRIDE RITE
2048 Brea Mall	RITZ CAMERA CENTERS BREA MALL
2049 Brea Mall	MATSUOKA STAN DR
2049 Brea Mall	YOSHIMURA AUDRA DR FAAO
2049 Brea Mall	N G MONIKA DR
2049 Brea Mall	NINOMIYA SANDRA DR
2052 Brea Mall	VAN'S TENNIS SHOES
2054 Brea Mall	BATH AND BODY WORKS
2055 Brea Mall	GYMBOREE STORE THE
2057 Brea Mall	BOSTONIAN SHOES
2058 Brea Mall	ILLUMINATIONS
2059 Brea Mall	LADY FOOTLOCKER
2062 Brea Mall	FREDERICK'S OF HOLLYWOOD
2065 Brea Mall	GRAPHICS

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2066 Brea Mall	RETRO RETRO
2066 Brea Mall	CHLOE ACCESSORIES INC
2067 Brea Mall	PAYLESS SHOESOURCE
2102 Brea Mall	SUNGLASS HUT INTL
2106 Brea Mall	PAPYRUS
2107 Brea Mall	BOMBAY
2108 Brea Mall	PRINTS PLUS
2109 Brea Mall	AMES APPAREL LLC
2111 Brea Mall	THOMSEN TOYS
2112 Brea Mall	LE DIPLOMATE CAFÉ
2116 Brea Mall	WATCH WORLD
2116 Brea Mall	WATCH WORKS
2117 Brea Mall	ANN TAYLOR
2121 Brea Mall	MOTHERHOOD MATERNITY
2151 Brea Mall	GLORIA JEANS COFFEE
2157 Brea Mall	TACOS & COMPANY
2159 Brea Mall	CHICKEN ROMA
2160 Brea Mall	CARL'S JR RESTAURANTS
2162 Brea Mall	VOLCANO TEA HOUSE
2163 Brea Mall	ARBY'S
2164 Brea Mall	GREAT STEAK&FRY THE
2166 Brea Mall	GARDEN GOURMET&CA SQUEEZE
2170 Brea Mall	VITAMIN WORLD
2170 Brea Mall	IGE ERIC DR
2171 Brea Mall	DAIRY QUEEN
2172 Brea Mall	KIDS BEST DESIGN
2002	
0 Brea Mall	GINGISS FORMALWEAR
0 Brea Mall	EXPRESS
0 Brea Mall	FOOT ACTION FAN CLB
0 Brea Mall	GARYS TUX SHOPS
0 Brea Mall	KAY JEWELERS
0 Brea Mall	LETS TALK CLLLR&WRLSS INC
0 Brea Mall	RADIOSHACK
0 Brea Mall	REGIS SALON
0 Brea Mall	SEARS PORTRAIT STUDIO
0 Brea Mall	SEES CANDIES
0 Brea Mall	SEARS TUXEDOS GARYS TUX SHOPS
0 Brea Mall	WALDENBOOKS
0 Brea Mall	CACHE
100 Brea Mall	SEARS
200 Brea Mall	MACYS
212 Brea Mall	PANDA EXPRESS
250 Brea Mall	SEAFOOD BROILER RESTAURANTS
250 Brea Mall	RED LOBSTER RSTRNT
270 Brea Mall	OLIVE GARDEN REST
300 Brea Mall	ROBINSON MAY DEPARTMENT STORES
400 Brea Mall	J C PENNEY

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500 Brea Mall	NORDSTROM
600 Brea Mall	AIRTH Gizella
600 Brea Mall	B J S RSTRNT&BRWHS
1001 Brea Mall	PAC BELL PCS STORE
1001 Brea Mall	WESTCOAST WIRELESS
1003 Brea Mall	AUNTIE ANNES PRTZLS
1004 Brea Mall	JUST SPORTS
1005 Brea Mall	WIZARDS OF THE COAST
1006 Brea Mall	BEACH ACCESS INC
1007 Brea Mall	THINGS REMEMBERED
1008 Brea Mall	GAP KIDS
1009 Brea Mall	NATURALIZER WEST
1011 Brea Mall	RAY BAN
1011 Brea Mall	NATURE COMPANY THE
1013 Brea Mall	LUCKY BRNAD DUNGAREES
1014 Brea Mall	XXXX
1021 Brea Mall	J STEPHENS
1022 Brea Mall	BEN BRIDGE JEWELER
1023 Brea Mall	DISNEY STORE INC
1024 Brea Mall	WET SEAL THE
1026 Brea Mall	LIMITED THE
1030 Brea Mall	LUX SENSE
1030 Brea Mall	FOREVER 21
1031 Brea Mall	CRESCENT JEWELERS
1034 Brea Mall	DUXIANA THE DUX BED
1034 Brea Mall	DUX
1035 Brea Mall	SAM&LIBBY
1036 Brea Mall	BOARDWALK SURF SKATE&SNOW
1037 Brea Mall	SAM GOODY
1041 Brea Mall	WHITEHALL CO JEWELLERS THE
1042 Brea Mall	CATHY JEAN
1043 Brea Mall	SANRIO SUPRISES
1044 Brea Mall	HELEN GRACE CHOCOLATES
1044 Brea Mall	O S I M USA INC
1045 Brea Mall	BIG&TALL MENS FASHIONS
1048 Brea Mall	GENERAL NUTRITION CENTER
1049 Brea Mall	SUNCOAST MOTN PCTR
1050 Brea Mall	PAC SUNWEAR
1051 Brea Mall	SUNGLASS HUT INTERNATL
1052 Brea Mall	COACH STORE THE
1053 Brea Mall	XXXX
1055 Brea Mall	GAP THE
1057 Brea Mall	JUDY S Hallmark
1059 Brea Mall	PERFUME GALLERY
1061 Brea Mall	SILHOUETTE
1062 Brea Mall	LINEAR HAIR INC
1063 Brea Mall	JEWELERS BENCH
1064 Brea Mall	NATURALIZER WEST

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1065 Brea Mall	BREA MALL
1066 Brea Mall	HOT TOPIC
1066 Brea Mall	GUESS JEANS
1066 Brea Mall	CRYSTAL TREASURES ETC
1072 Brea Mall	LIFE UNIFORM SHOP
1080 Brea Mall	RED ROBIN
1101 Brea Mall	CRABTREE&EVELYN
1104 Brea Mall	TRUE COLORS
1105 Brea Mall	XXXX
1106 Brea Mall	ATHLETE S FOOT THE
1107 Brea Mall	CARLTON HAIR INTL
1108 Brea Mall	CARRAZ WHITE ORCHID
1110 Brea Mall	VILALGE GALLERY THE
1110 Brea Mall	WINDSOR FASHIONS INC
1110 Brea Mall	HARRIS&FRANK INC
1112 Brea Mall	XXXX
1113 Brea Mall	EVERYTHING BUT WTR
1114 Brea Mall	TALBOTS
1116 Brea Mall	GODIVA CHCOLATIER
1117 Brea Mall	XXXX
1118 Brea Mall	FOOT LOCKER
1118 Brea Mall	CHARLOTTE RUSSE
1118 Brea Mall	KIDS FOOT LOCKER 46753
1120 Brea Mall	BEST NAILS THE
1121 Brea Mall	NOBLE&WILD LUGGAGE
1122 Brea Mall	FRUZEN Mix
1122 Brea Mall	SAMS TAILORING&CUSTOM SHOP
1123 Brea Mall	CLAIRES BOUTIQUES
1134 Brea Mall	MILLER S OUTPOST
2001 Brea Mall	HELENS BEAUTY SUPPLY&SALON
2001 Brea Mall	CHIEN ET CHAT
2002 Brea Mall	PICTURE PEOPLE THE
2003 Brea Mall	SPENCER GIFTS
2004 Brea Mall	K B TOYS
2005 Brea Mall	CHAMPS
2006 Brea Mall	CARLTON CARDS
2007 Brea Mall	WILSON S SUEDE&LEATHER
2008 Brea Mall	ICING THE
2010 Brea Mall	GUCCINI
2013 Brea Mall	BODY SHOP THE
2014 Brea Mall	XXXX
2015 Brea Mall	BROOKSTONE CO
2016 Brea Mall	BANANA REPUBLIC
2020 Brea Mall	FRED MEYERS JEWELERS
2021 Brea Mall	PETITE SOPHISTICATE
2024 Brea Mall	STRUCTURE
2027 Brea Mall	MRS FIELDS COOKIES
2027 Brea Mall	LIMITED TOO THE

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2037 Brea Mall	STAR IMAGE
2044 Brea Mall	AVEDA ENVIROMENTAL LFSTYLS STR
2046 Brea Mall	COUNTRY COLLECTION
2047 Brea Mall	BREA STRIDE RITE
2047 Brea Mall	STRIDE RITE
2048 Brea Mall	RITZ CAMERA CENTERS
2049 Brea Mall	KNIFE GALLERY INC
2050 Brea Mall	HOME DESIGN
2051 Brea Mall	SHOE CLINIC
2052 Brea Mall	CALIF CRISP
2052 Brea Mall	VAN S TENNIS SHOES
2054 Brea Mall	BATH AND BODY WORKS
2055 Brea Mall	GYMBOREE STORE THE
2057 Brea Mall	BOSTONIAN SHOES
2058 Brea Mall	ILLUMINATIONS
2059 Brea Mall	LADY FOOTLOCKER
2062 Brea Mall	FREDERICKS HOLLYWD
2063 Brea Mall	LENSCRAFTERS
2063 Brea Mall	EYEXAM 2000 OF CALIFORNIA INC
2063 Brea Mall	DOCTORS OF OPTOMETRY
2064 Brea Mall	XXXX
2066 Brea Mall	NOTHING BUT SILVER
2067 Brea Mall	PAYLESS SHOESOURCE
2067 Brea Mall	CARTOON Field
2101 Brea Mall	FRANKLIN MINT
2102 Brea Mall	SUNGLASS HUT INTL
2103 Brea Mall	XXXX
2104 Brea Mall	BENETTON
2106 Brea Mall	PAPYRUS
2107 Brea Mall	BOMBAY COMPANY THE
2108 Brea Mall	PRINTS PLUS
2109 Brea Mall	AMES LADIES WEAR
2110 Brea Mall	MUSICLAND
2111 Brea Mall	THOMAS STATION
2112 Brea Mall	LE DIPLOMATE CAFÉ
2116 Brea Mall	WATCH WORKS
2117 Brea Mall	ANN TAYLOR
2121 Brea Mall	MOTHERHOOD MATERNITY
2122 Brea Mall	XXXX
2124 Brea Mall	CANDY EXPRESS
2151 Brea Mall	GLORIA JEANS COFFEE
2156 Brea Mall	DAIRY QUEEN
2157 Brea Mall	TACOS&COMPANY
2160 Brea Mall	CARLS JR RESTAURANT
2162 Brea Mall	VOLCANO TEA HOUSE
2163 Brea Mall	ARBYS
2164 Brea Mall	GREAT STEAK&FRY THE
2166 Brea Mall	GARDEN GOURMET&CALIF SQUEEZE

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2170 Brea Mall	IGE ERIC DR
2170 Brea Mall	MATSUOKA STAN DR
2170 Brea Mall	MURATA KENNETH DR
2171 Brea Mall	CUSTOM IMAGES
2172 Brea Mall	KIDS BEST DESIGN
1996	
0 Brea Mall	SOFTWARE ETC
0 Brea Mall	SEARS TUX DEN
0 Brea Mall	MOTHERHOOD
0 Brea Mall	KAY JEWELERS
0 Brea Mall	HOUSEHOLD FINANCE
0 Brea Mall	GINGISS FORMALWEAR
0 Brea Mall	FOOT ACTION FAN CLB
0 Brea Mall	EXPRESSLY PORTRAITS
0 Brea Mall	EXPRESS
0 Brea Mall	CACHE
0 Brea Mall	BABBAGES SOFTWARE
0 Brea Mall	B DALTON BOOKSELLER
0 Brea Mall	A T&T COMPANY
0 Brea Mall	WALDENBOOKS
100 Brea Mall	SEARS
180 Brea Mall	RED ROBIN BRGR&SPRT
200 Brea Mall	BROADWAY STR
204 Brea Mall	1 POTATO 2 INC
206 Brea Mall	HAAGEN DAZS ICE CRM
212 Brea Mall	PANDA EXPRESS
217 Brea Mall	XXXX
250 Brea Mall	RED LOBSTER RSTRNT
270 Brea Mall	OLIVE GARDEN REST
300 Brea Mall	ROBINSONS MAY TRVL
300 Brea Mall	ROBINSONS MAY
400 Brea Mall	J C PENNEY
500 Brea Mall	NORDSTROM
600 Brea Mall	CORNERSTONE GRILL
1000 Brea Mall	XXXX
1001 Brea Mall	UNITD ARTISTS CNMA
1002 Brea Mall	XXXX
1003 Brea Mall	AUNTIE ANNES PRTZLS
1004 Brea Mall	PRO IMAGE THE
1005 Brea Mall	XXXX
1006 Brea Mall	BEACH ACCESS INC
1007 Brea Mall	THINGS REMEMBERED
1008 Brea Mall	GAP KIDS
1008 Brea Mall	COLORADO
1009 Brea Mall	NATURALIZER WEST
1010 Brea Mall	XXXX
1011 Brea Mall	NATURE COMPANY THE
1012 Brea Mall	ACCESSORY LADY

DRAFT

1013 Brea Mall	AT OUR HOUSE
1014 Brea Mall	MUSEUM CO THE
1015 Brea Mall	AU BON PAIN
1016 Brea Mall	WILLIAMS SONOMA
1017 Brea Mall	IMAGINARIUM
1018 Brea Mall	CONTEMPO CASUALS
1019 Brea Mall	PAC SUNWEAR
1020 Brea Mall	XXXX
1021 Brea Mall	J STEPHENS
1022 Brea Mall	XXXX
1023 Brea Mall	DISNEY STORE INC
1024 Brea Mall	WET SEAL THE
1025 Brea Mall	XXXX
1026 Brea Mall	LIMITED THE
1027 Brea Mall	XXXX
1028 Brea Mall	XXXX
1029 Brea Mall	XXXX
1030 Brea Mall	LUXSENSE
1031 Brea Mall	J BURTON JEWELERS
1031 Brea Mall	BURTON J JEWELERS
1034 Brea Mall	XXXX
1035 Brea Mall	DOLCIS SHOE STORE
1036 Brea Mall	DAVID JAMES MENS SH
1037 Brea Mall	SAM GOODY
1038 Brea Mall	XXXX
1040 Brea Mall	XXXX
1041 Brea Mall	LANDAU COLLECTION
1042 Brea Mall	GYMBOREE STORE THE
1043 Brea Mall	SANRIO SURPRISES
1044 Brea Mall	FITTING IMAGE
1045 Brea Mall	BIG&TALL MENS FSHNS
1048 Brea Mall	GENL NUTRITION CT
1049 Brea Mall	SUNCOAST MOTN PCTR
1050 Brea Mall	XXXX
1051 Brea Mall	SOLSTAR
1051 Brea Mall	HELEN GRACE CHOCLTE
1052 Brea Mall	COACH STORE THE
1053 Brea Mall	MIGHTY DUCKS STORE
1055 Brea Mall	GAP THE
1057 Brea Mall	HORSTMANS HALLMARK
1058 Brea Mall	XXXX
1059 Brea Mall	XXXX
1060 Brea Mall	XXXX
1061 Brea Mall	ILLUSIONS
1061 Brea Mall	GEMINI FINE JEWELRY
1061 Brea Mall	ALLUSIONS BRIDAL CT
1062 Brea Mall	LINEAR HAIR INC
1063 Brea Mall	XXXX

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1064 Brea Mall	SUNSHINE BEAUTY SPL
1064 Brea Mall	SUNSHINE CONVNCE ST
1064 Brea Mall	SUNSHINE CNVNNCE ST
1065 Brea Mall	BREA MALL
1066 Brea Mall	TODAYS DESIGN FURN
1066 Brea Mall	GUESS JEANS
1066 Brea Mall	CORPORATE PROPERTY
1066 Brea Mall	CA ORGANIC COTTON
1068 Brea Mall	XXXX
1072 Brea Mall	LIFE UNIFORM SHOP
1080 Brea Mall	XXXX
1082 Brea Mall	XXXX
1089 Brea Mall	XXXX
1091 Brea Mall	XXXX
1101 Brea Mall	CRABTREE&EVELYN
1102 Brea Mall	9 WEST
1103 Brea Mall	WILSONS HOUSE SUEDE
1105 Brea Mall	BEBE
1107 Brea Mall	CARLTON HAIR INTL
1108 Brea Mall	WHITE ORCHID
1109 Brea Mall	SEES CANDIES
1110 Brea Mall	HARRIS&FRANK
1112 Brea Mall	VILLAGE GALLERY THE
1113 Brea Mall	EVERYTHING BUT WTR
1113 Brea Mall	KINDERFOTO STUDIOS
1114 Brea Mall	TALBOTS
1116 Brea Mall	GODIVA CHOCOLATIER
1117 Brea Mall	BOMBAY COMPANY THE
1118 Brea Mall	CHARLOTTE RUSSE
1118 Brea Mall	FOOT LOCKER
1120 Brea Mall	BEST NAILS THE
1121 Brea Mall	KENSINGTON LUGGAGE
1122 Brea Mall	NAVAJO WEST
1122 Brea Mall	GLAMOUR SHOTS
1123 Brea Mall	THOMAS STATION
1124 Brea Mall	BEN BRIDGE JEWELER
1126 Brea Mall	XXXX
1128 Brea Mall	XXXX
1132 Brea Mall	XXXX
1134 Brea Mall	MILLERS OUTPST LEVI
1138 Brea Mall	XXXX
1142 Brea Mall	XXXX
1146 Brea Mall	XXXX
1150 Brea Mall	XXXX
2001 Brea Mall	HELENS BTY SPLY SLN
2003 Brea Mall	HOWARD&PHILS WEAR
2004 Brea Mall	PAYLESS SHOESOURCE
2005 Brea Mall	OSHMANS SPRTNG GOOD

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2006 Brea Mall	CARTON CARDS
2007 Brea Mall	KINNEY SHOES
2008 Brea Mall	ACCESSORY PLACE
2009 Brea Mall	XXXX
2010 Brea Mall	G GUCCINI
2011 Brea Mall	XXXX
2013 Brea Mall	BODY SHOP THE
2014 Brea Mall	WINDSOR FASHIONS
2015 Brea Mall	BROOKSTONE CO
2016 Brea Mall	BANANA REPUBLIC
2018 Brea Mall	XXXX
2021 Brea Mall	PETITE SOPHISTICATE
2022 Brea Mall	SESAME ST RETAIL
2024 Brea Mall	STRUCTURE
2027 Brea Mall	LIMITED TOO THE
2027 Brea Mall	MRS FIELDS COOKIES
2027 Brea Mall	PEA POD MATERNITY
2027 Brea Mall	PEARLE VISION EXPRS
2027 Brea Mall	PEARLE VISIONCARE
2027 Brea Mall	SPORTS FANTASY
2027 Brea Mall	SWEET FACTORY
2028 Brea Mall	XXXX
2032 Brea Mall	XXXX
2034 Brea Mall	XXXX
2036 Brea Mall	XXXX
2037 Brea Mall	SIGN OF GOOD TASTE
2038 Brea Mall	XXXX
2041 Brea Mall	XXXX
2042 Brea Mall	XXXX
2044 Brea Mall	XXXX
2045 Brea Mall	FLORSHEIM SHOE SHOP
2046 Brea Mall	COUNTRY COLLECTION
2047 Brea Mall	BREA STRIDE RITE
2047 Brea Mall	STRIDE RITE
2048 Brea Mall	KITS CAMERAS
2049 Brea Mall	KNIFE GALLERY INC
2050 Brea Mall	VANS TENNIS SHOES
2051 Brea Mall	LITTLE COBBLER THE
2052 Brea Mall	COPELANDS SPORTS
2052 Brea Mall	CA CRISP
2053 Brea Mall	XXXX
2054 Brea Mall	CACIQUE
2055 Brea Mall	JAY JACOBS FOR MEN
2056 Brea Mall	IMPOSTORS BREA MALL
2057 Brea Mall	BOSTONIAN SHOES
2058 Brea Mall	9&CO
2059 Brea Mall	LADY FOOTLOCKER
2060 Brea Mall	XXXX

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2062 Brea Mall	FREDERICKS HOLLYWD
2063 Brea Mall	XXXX
2064 Brea Mall	LECHTERS HOUSEWARE
2066 Brea Mall	HEALTHRIDER
2067 Brea Mall	XXXX
2069 Brea Mall	XXXX
2072 Brea Mall	TANIGUCHI SUMIO DR
2074 Brea Mall	XXXX
2078 Brea Mall	XXXX
2080 Brea Mall	RADIO SHACK A DIV
2082 Brea Mall	XXXX
2084 Brea Mall	XXXX
2086 Brea Mall	XXXX
2088 Brea Mall	XXXX
2101 Brea Mall	FRANKLIN MINT
2102 Brea Mall	MUSIC BOX THE
2103 Brea Mall	SNAPZ
2104 Brea Mall	PENDLETON BREA
2105 Brea Mall	XXXX
2106 Brea Mall	PAPYRUS
2107 Brea Mall	BANK OF ATQ RPRDCTN
2108 Brea Mall	RITZ CAMERA CENTER
2109 Brea Mall	AMES LADIES WEAR
2110 Brea Mall	MUSICLAND
2111 Brea Mall	G H Q
2112 Brea Mall	A PEA IN POD MTRNTY
2116 Brea Mall	MURATA PEARL CO CA
2117 Brea Mall	ANN TAYLOR
2118 Brea Mall	EDDIE BAUER
2119 Brea Mall	CLAIREAS BOUTIQUE
2119 Brea Mall	K T GROUP
2119 Brea Mall	KEEPING TIME
2119 Brea Mall	STRICTLY SUNGLASSES
2120 Brea Mall	KIDS BY DESIGN
2121 Brea Mall	XXXX
2122 Brea Mall	LE DIPLOMATE CAFÉ
2123 Brea Mall	PRINTS PLUS
2124 Brea Mall	CANDY EXPRESS
2130 Brea Mall	XXXX
2132 Brea Mall	XXXX
2136 Brea Mall	XXXX
2139 Brea Mall	XXXX
2151 Brea Mall	GLORIA JEANS COFFEE
2152 Brea Mall	CINNABON
2156 Brea Mall	DAIRY QUEEN
2157 Brea Mall	BAJA GRILL
2158 Brea Mall	XXXX
2160 Brea Mall	CARLS JR RESTAURANT

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2161 Brea Mall	TERIYAKI TOKYO
2162 Brea Mall	BENNETTS PIT
2163 Brea Mall	ARBYS
2164 Brea Mall	GREAT STEAK&FRY THE
2167 Brea Mall	A&W HOT DOGS&MORE
2170 Brea Mall	MATSUOKA STAN DR
2170 Brea Mall	MURATA KENNETH DR
2171 Brea Mall	XXXX
1991	
0 Brea Mall	SOFTWARE ETC
0 Brea Mall	CACHE
0 Brea Mall	A T&T COMPANY
0 Brea Mall	GINGISS FORMALWEAR
0 Brea Mall	HOUSEHOLD FINANCE
0 Brea Mall	MARTIN L GALLERIES
0 Brea Mall	SHANNONS T SHIRTS
0 Brea Mall	SPENCER GIFTS
0 Brea Mall	SUNDAYS CHILD
0 Brea Mall	WESTMSTR LACE
0 Brea Mall	B DALTON BOOKSELLER
0 Brea Mall	MOTHERHOOD
100 Brea Mall	SEARS
180 Brea Mall	RED ROBIN BRGR&SPRT
200 Brea Mall	PIEKARSKI MARK J DR
200 Brea Mall	BROADWAY DEPT STORE
204 Brea Mall	1 POTATO 2 INC
206 Brea Mall	HAAGEN DAZS ICE CRM
212 Brea Mall	PANDA EXPRESS
217 Brea Mall	CA FRIES
250 Brea Mall	RED LOBSTER RSTRNT
270 Brea Mall	OLIVE GARDEN REST
270 Brea Mall	OLIVE GARDEN RSTRNT
300 Brea Mall	GILHOOLYS REST&PUB
300 Brea Mall	MAY CO FINE JEWELRY
300 Brea Mall	MAY CO
300 Brea Mall	MAY CO WRLD TRAVEL
400 Brea Mall	XXXX
500 Brea Mall	NORDSTROM
600 Brea Mall	MAGNOLIAS PEACH
600 Brea Mall	CREATIVE CONCEPTS
1000 Brea Mall	ZALES JEWELERS
1001 Brea Mall	UNITD ARTISTS CNMA
1002 Brea Mall	XXXX
1003 Brea Mall	HARDY SHOES
1004 Brea Mall	BREA PETS
1005 Brea Mall	SUMMIT CORP THE
1005 Brea Mall	CARD AMERICA
1007 Brea Mall	CHESS KING

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1008 Brea Mall	LITTLE FOLKS
1008 Brea Mall	UNITD ARTIST CNMA 4
1010 Brea Mall	XXXX
1011 Brea Mall	NATURE COMPANY THE
1012 Brea Mall	RITZ CMRA CENTERS
1013 Brea Mall	AT OUR HOUSE
1014 Brea Mall	MUSEUM CO THE
1016 Brea Mall	WILLIAMS SONOMA
1018 Brea Mall	HICKORY FARMS OF OH
1019 Brea Mall	PAC SUNWEAR
1020 Brea Mall	CHESS KING
1021 Brea Mall	JOHNSTON&MURPHY SHP
1022 Brea Mall	KARLS TOYS FUNSPACE
1024 Brea Mall	XXXX
1026 Brea Mall	NATURALIZER WEST
1027 Brea Mall	CONTEMPO CASUALS
1028 Brea Mall	MURATA PEARL CO CA
1029 Brea Mall	TEDS CLOCK EMPORIUM
1030 Brea Mall	BROOKS FASHIONS
1030 Brea Mall	PEMBROOK MNG INC
1034 Brea Mall	FANFARES
1035 Brea Mall	RED EYE INC
1036 Brea Mall	DAVID JAMES MENS SH
1038 Brea Mall	XXXX
1040 Brea Mall	G H Q FOR MEN
1040 Brea Mall	DOLCIS SHOE STORE
1041 Brea Mall	CORPORATE PROPERTY
1042 Brea Mall	GYMBOREE STORE THE
1044 Brea Mall	WET SEAL INC THE
1047 Brea Mall	ALBERTOS JWLRY RPR
1048 Brea Mall	GENL NUTRITION CNTR
1049 Brea Mall	SWEATS&SURF KIDS
1050 Brea Mall	XXXX
1051 Brea Mall	HELEN GRACE CHOCLTE
1053 Brea Mall	SPORTELLE
1054 Brea Mall	PETRIES
1057 Brea Mall	THOM MCAN SHOE STRS
1058 Brea Mall	KINNEY SHOES
1059 Brea Mall	CLOTHESTIME INC THE
1060 Brea Mall	XXXX
1064 Brea Mall	SUNSHINE BEAUTY SPL
1064 Brea Mall	SUNSHINE CNVNNCE ST
1065 Brea Mall	ICING THE
1068 Brea Mall	J BURTON JEWELERS
1080 Brea Mall	XXXX
1082 Brea Mall	XXXX
1089 Brea Mall	LEEDS SHOE STORES
1091 Brea Mall	XXXX

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1092 Brea Mall	LEAHS FABRIC GLLRY
1094 Brea Mall	XXXX
1096 Brea Mall	PARKLANE HOSIERY ST
1098 Brea Mall	XXXX
1101 Brea Mall	OPTIKS
1102 Brea Mall	9 WEST
1102 Brea Mall	WET SEAL
1103 Brea Mall	WILSONS HOUSE SUEDE
1105 Brea Mall	DEFOREST CONSTR INC
1105 Brea Mall	BEBE
1108 Brea Mall	CREATIVE GIFTS
1108 Brea Mall	BIG&TALL MENS FSHN
1108 Brea Mall	FORTY LOVE TENNIS
1109 Brea Mall	SEES CANDIES
1110 Brea Mall	XXXX
1113 Brea Mall	EVERYTHING BUT WTR
1113 Brea Mall	KINDERFOTO STUDIOS
1114 Brea Mall	TALBOTS
1116 Brea Mall	GODIVA CHOCOLATIER
1118 Brea Mall	FOOT LOCKER
1120 Brea Mall	XXXX
1121 Brea Mall	ROOTENS LUGGAGE STR
1122 Brea Mall	HALL J HERBERT JWLR
1124 Brea Mall	BEN BRIDGE JEWELER
1126 Brea Mall	XXXX
1128 Brea Mall	WOMANS WORLD SHOP
1130 Brea Mall	SAM GOODY
1132 Brea Mall	XXXX
1134 Brea Mall	MILLERS OUTPST LEVI
1138 Brea Mall	XXXX
1142 Brea Mall	XXXX
1146 Brea Mall	XXXX
1150 Brea Mall	XXXX
2001 Brea Mall	LERNER SHOPS
2002 Brea Mall	EXPERSSLY PORTRAITS
2003 Brea Mall	HOWARD&PHILS WESTRN
2006 Brea Mall	XXXX
2007 Brea Mall	BILL GAMBLES MNS WR
2008 Brea Mall	CHIC ACCESSORIES
2008 Brea Mall	PAYLESS SHOESOURCE
2009 Brea Mall	HATFIELD JEWELERS
2010 Brea Mall	JACQUES VERT USA
2010 Brea Mall	OSHMANS SPRTG GOODS
2014 Brea Mall	WINDSOR FASHIONS
2014 Brea Mall	CASUAL CORNER
2015 Brea Mall	BAILEY BANKS&BIDDLE
2016 Brea Mall	BRENTANOS
2018 Brea Mall	XXXX

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2021 Brea Mall	ALLUSIONS A CONCEPT
2021 Brea Mall	CHARLOTTE RUSSE
2024 Brea Mall	XXXX
2027 Brea Mall	BREA MALL
2028 Brea Mall	XXXX
2032 Brea Mall	MANDARIN GEMS OF CA
2034 Brea Mall	UNITS
2036 Brea Mall	XXXX
2038 Brea Mall	XXXX
2041 Brea Mall	VALLEY HALLMARK
2042 Brea Mall	XXXX
2044 Brea Mall	GORDONS JEWLRS BREA
2046 Brea Mall	COUNTRY COLLECTION
2048 Brea Mall	CIRCUIT THE
2049 Brea Mall	KNIFE GALLERY INC
2050 Brea Mall	0 2 14
2052 Brea Mall	CA CRISP
2052 Brea Mall	COPELANDS SPORTS
2053 Brea Mall	THE GRT AMER STORY
2054 Brea Mall	SANTA ANITA LUGGAGE
2055 Brea Mall	JAY JACOBS FOR MEN
2056 Brea Mall	IMPOSTORS BREA MALL
2057 Brea Mall	HANOVER SHOE STORE
2058 Brea Mall	XXXX
2059 Brea Mall	LADY FOOTLOCKER
2063 Brea Mall	XXXX
2064 Brea Mall	LECHTERS HOUSEWARES
2066 Brea Mall	ALCALA
2067 Brea Mall	TOY BOX
2069 Brea Mall	XXXX
2072 Brea Mall	MURATA KENNETH DR
2072 Brea Mall	TANIGUCHI SUMIO DR
2074 Brea Mall	XXXX
2078 Brea Mall	XXXX
2080 Brea Mall	TANDY CNSMR ELTRNC
2080 Brea Mall	RADIO SHACK A DIV
2082 Brea Mall	WALDENBOOKS
2084 Brea Mall	XXXX
2086 Brea Mall	XXXX
2088 Brea Mall	C V S
2090 Brea Mall	GAP THE
2092 Brea Mall	XXXX
2094 Brea Mall	FLORSHEIM SHOE SHOP
2098 Brea Mall	XXXX
2100 Brea Mall	BROOKS SHOES KIDS
2102 Brea Mall	XXXX
2104 Brea Mall	PENDELTON Brea
2106 Brea Mall	PAPYRUS

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2107 Brea Mall	BANK OF ATQ RPRDCTN
2109 Brea Mall	AMES LADIES WEAR
2110 Brea Mall	BREA GALLERY INC
2112 Brea Mall	XXXX
2117 Brea Mall	ANN TAYLOR
2118 Brea Mall	EDDIE Bauer
2120 Brea Mall	GREAT AMER STRY THE
2121 Brea Mall	SWEATS&SURF
2122 Brea Mall	LE DIPLOMATE CAFÉ
2123 Brea Mall	ETCETERA FASHION
2124 Brea Mall	XXXX
2130 Brea Mall	SIZE 5 7 9 SHOPS
2132 Brea Mall	XXXX
2136 Brea Mall	JUDYS
2139 Brea Mall	FREDERICKS OF HLYWS
2140 Brea Mall	LIMITED THE
2142 Brea Mall	XXXX
2156 Brea Mall	JAY JACOBS
2158 Brea Mall	XXXX
2160 Brea Mall	CARLS JR RESTAURANT
2162 Brea Mall	XXXX
2170 Brea Mall	MATSUOKA STAN DR
2171 Brea Mall	I NATURAL COSMETICS
1986	
0 Brea Mall	BLOCK H&R
0 Brea Mall	ANATOMY ASYLUM
0 Brea Mall	GINGISS FORMALWEAR
0 Brea Mall	MOTHERHOOD MATRNITY
0 Brea Mall	RICHARD SIMMONS
0 Brea Mall	VIDEO GALAXY
0 Brea Mall	SIMMONS R ANATOMY
100 Brea Mall	SEARS
200 Brea Mall	PIEKARSKI MARK J DR
200 Brea Mall	BROADWAY DEPT STORE
250 Brea Mall	SEAFOOD BROILER
300 Brea Mall	MAY COMPANY
300 Brea Mall	MAY CO WRLD TRAVEL
300 Brea Mall	GILHOOLYS REST&PUB
400 Brea Mall	ICE CAPADES CHALET
500 Brea Mall	NORDSTROM
600 Brea Mall	MAGNOLIAS PEACH
1000 Brea Mall	CRANDALL JOHN
1002 Brea Mall	GREAT EXPECTATNS PR
1005 Brea Mall	FLIPPER FLAPPER
1008 Brea Mall	UNITD ARTISTS CIN4
1010 Brea Mall	XXXX
1012 Brea Mall	HARDY SHOES
1014 Brea Mall	BREA PETS

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1016 Brea Mall	SHAFFER CARDS
1018 Brea Mall	HICKORY FARMS OF OH
1020 Brea Mall	CHESS KING
1022 Brea Mall	KARLS TOYS HOBBIES
1026 Brea Mall	FASHION CONSPIRACY
1028 Brea Mall	JEANS WEST INC
1030 Brea Mall	TOWNE PLAZA GALLERY
1036 Brea Mall	RITZ CAMERA CENTERS
1038 Brea Mall	HOME FITNESS
1040 Brea Mall	G H Q FOR MEN
1042 Brea Mall	WICKS N STICKS
1046 Brea Mall	ZALES JEWELERS
1048 Brea Mall	WET SEAL INC THE
1050 Brea Mall	HARRIS&FRANK BREA
1054 Brea Mall	PETRIES
1058 Brea Mall	KINNEY SHOES BREA
1060 Brea Mall	CONTEMPO CASUALS
1063 Brea Mall	LAWSONS JEWELERS
1064 Brea Mall	TEDS CLOCK EMPORIUM
1065 Brea Mall	BROOKS FASHIONS
1068 Brea Mall	MATSUOKA STAN DR
1068 Brea Mall	MURATA KENNETH DR
1080 Brea Mall	C PS GRILLE
1080 Brea Mall	LAREDOS
1082 Brea Mall	REGAL SHOE SHOP
1086 Brea Mall	RED EYE INC
1088 Brea Mall	DAVID JAMES MENS SH
1089 Brea Mall	LEEDS SHOE STORES
1091 Brea Mall	HOWARDS WESTERN WR
1092 Brea Mall	LEAHS FBRC GLLERY
1094 Brea Mall	BAKER C H SHOE STR
1096 Brea Mall	PARKLANE HOSIERY ST
1098 Brea Mall	XXXX
1100 Brea Mall	DECK THE WALLS
1102 Brea Mall	XXXX
1108 Brea Mall	BIG&TALL MENS FSHN
1110 Brea Mall	BUFFALO CONNECTION
1113 Brea Mall	MAGIC RAZOR NAIL BR
1113 Brea Mall	MAGIC RAZOR
1114 Brea Mall	GENERAL NUTRITON CT
1116 Brea Mall	VIDEO CONCEPTS
1118 Brea Mall	FOOT LOCKER
1120 Brea Mall	HELEN GRACE CHOCOLT
1122 Brea Mall	XXXX
1124 Brea Mall	SUSIES CASUALS
1126 Brea Mall	B DALTON BOOKSELLER
1126 Brea Mall	DALTON B BOOKSELLER
1128 Brea Mall	WOMANS WORLD SHOP

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1130 Brea Mall	MUSICLAND
1132 Brea Mall	THOM MCAN SHOE STR
1134 Brea Mall	MILLERS OUTPST LEVI
1138 Brea Mall	FOXMOOR CASUALS
1140 Brea Mall	GOOD LOOKS BTY SPLY
1140 Brea Mall	GOOD LOCKS NAIL BAR
1142 Brea Mall	XXXX
1146 Brea Mall	AT OUR HOUSE
1150 Brea Mall	SALMAGUNDI
1150 Brea Mall	SALMAGUNDI MENU
1152 Brea Mall	LITTLE FOLK SHOP
1154 Brea Mall	PRIVATE MOMENTS
1156 Brea Mall	DALES FOOTWORKS
1901 Brea Mall	XXXX
2000 Brea Mall	LERNER SHOP
2004 Brea Mall	PAC SUNWEAR
2006 Brea Mall	HOUSE OF FABRICS
2006 Brea Mall	HOUSE FABRICS MACH
2006 Brea Mall	SINGER SEWING MACHN
2008 Brea Mall	GALLENKAMP SHOES
2010 Brea Mall	OSHMANS SPORTNG GDS
2014 Brea Mall	CASUAL CORNER
2016 Brea Mall	BILL GAMBLE MENS WR
2018 Brea Mall	CHIC ACESSORIES
2020 Brea Mall	HATFIELD JEWELERS
2024 Brea Mall	TOY BOX
2027 Brea Mall	BREA MALL
2028 Brea Mall	FREDERICKS OF HLYWD
2030 Brea Mall	WILSONS HS OF SUEDE
2032 Brea Mall	MANDARIN GEMS BREA
2034 Brea Mall	HILANDS TOBCCO LCKR
2036 Brea Mall	KINDERFOTO
2038 Brea Mall	JACKIES FASHION CTR
2040 Brea Mall	COOKS CORNER
2042 Brea Mall	PABLOS KITCHEN
2046 Brea Mall	TERIYAKI HOUSE
2048 Brea Mall	FAMOUS RAMOS HOT DG
2050 Brea Mall	CAROUSEL PIZZA
2052 Brea Mall	L A CRISP
2054 Brea Mall	CHINESE KING
2056 Brea Mall	CORN DOG ON A STICK
2057 Brea Mall	XXXX
2058 Brea Mall	FILLING STATION THE
2059 Brea Mall	TIFFANYS BAKERY
2060 Brea Mall	HAAGEN DAZS ICE CRM
2062 Brea Mall	1 POTATO 2 INC
2063 Brea Mall	NATURALIZER WEST
2064 Brea Mall	THIRSTYS BREA INC

DRAFT

2065 Brea Mall	CARTOON JUNCTION
2066 Brea Mall	WINE SHOPPE ETC THE
2068 Brea Mall	MALL MUNCHIES
2069 Brea Mall	THE SUNGLASS
2069 Brea Mall	SUNGLASS THE
2074 Brea Mall	WILD TOPS
2076 Brea Mall	XXXX
2078 Brea Mall	WHEREHOUSE THE
2080 Brea Mall	RADIO SHACK RTL STR
2082 Brea Mall	WALDENBOOKS
2082 Brea Mall	HOBBYMAN
2084 Brea Mall	XXXX
2086 Brea Mall	VALLEY HALLMARK
2088 Brea Mall	C V S
2090 Brea Mall	GAP THE
2092 Brea Mall	GORDONS JEWELERS
2094 Brea Mall	FLORSHEIM SHOE SHOP
2098 Brea Mall	COUNTRY COLLECTION
2100 Brea Mall	STRIDE RITE BOOTERY
2100 Brea Mall	BARRYS STRIDE RITE
2102 Brea Mall	CIRCUIT THE
2104 Brea Mall	KNIFE GALLERY THE
2106 Brea Mall	PAPPAGALLO SHOES
2110 Brea Mall	ON THE GO TRAVEL SV
2112 Brea Mall	KAPLANS DELI&REST
2120 Brea Mall	THE GRT AMERCN STRY
2120 Brea Mall	GREAT AM SHRT STRY
2122 Brea Mall	SANTA ANITA LUGGAGE
2124 Brea Mall	JOELS
2126 Brea Mall	MORROWS NUT HOUSE
2128 Brea Mall	HANOVER SHOE STORE
2130 Brea Mall	SIZE 5 7 9 SHOPS
2132 Brea Mall	XXXXX
2134 Brea Mall	SPENCER GIFTS
2136 Brea Mall	JUDYS
2139 Brea Mall	JOYCE SELBY SHOES
2140 Brea Mall	LIMITED THE
2142 Brea Mall	WOODTOWNE FURN CO
2144 Brea Mall	MALING SHOES
2146 Brea Mall	XXXX
2148 Brea Mall	HANSEL N GRETEL SHP
2152 Brea Mall	BANK ANTQ RPRDCTNS
2154 Brea Mall	I NATURAL COSMETICS
2156 Brea Mall	JAY JACOBS
2158 Brea Mall	WINDSOR FASHIONS
2162 Brea Mall	SLAVICS JEWELERS
1981	
0 Brea Mall	VONDETTS MENS WEAR

DRAFT

0 Brea Mall	MOTHERHOOD MATRNTY
0 Brea Mall	BREA MALL HOMERT
0 Brea Mall	MAGIC PAN RSTRNT
100 Brea Mall	SEARS
200 Brea Mall	PIEKARSKI MARK J DR
200 Brea Mall	BROADWAY DEPRTMNT
300 Brea Mall	MAY COMPANY
300 Brea Mall	MAY CO WLRD TRVL BR
400 Brea Mall	BREA MALL ICE CAPAD
400 Brea Mall	ICE CAPADES CHALET
500 Brea Mall	NORDSTROM
1000 Brea Mall	ROBERTS WM JEWELERS
1005 Brea Mall	BREA MALL FLIP FLAP
1005 Brea Mall	FLIPPER FLAPPER
1008 Brea Mall	UNITD ARTISTS CIN4
1008 Brea Mall	GRANGER CLYDE
1010 Brea Mall	BREA MALL GINGISS
1010 Brea Mall	GINGISS FORMALWEAR
1012 Brea Mall	HARDY SHOE STORES
1014 Brea Mall	BREA PETS
1016 Brea Mall	BREA MALL SHAFFER
1016 Brea Mall	SHAFFER CARDS
1018 Brea Mall	BREA MALL HICKRY FM
1018 Brea Mall	HICKORY FARMS OF OH
1020 Brea Mall	CHESS KING DSTRCT
1020 Brea Mall	CHESS KING
1022 Brea Mall	BREA MALL KARLS TOY
1022 Brea Mall	KARLS TOYS HOBBIES
1026 Brea Mall	FASHION CONSPIRACY
1028 Brea Mall	BREA MALL JEANS WES
1028 Brea Mall	JEANS WEST INC
1030 Brea Mall	TOWNE PLAZA GALLERY
1030 Brea Mall	BREA MALL GOULD MUS
1036 Brea Mall	HOUSE OF TERRY
1038 Brea Mall	BARNEYS
1042 Brea Mall	WICKS N STICKS
1046 Brea Mall	ZALES JWLRS BREA
1048 Brea Mall	BREA MALL WET SEAL
1048 Brea Mall	WET SEAL INC THE
1050 Brea Mall	HARRIS&FRANK BREA
1050 Brea Mall	BREA MALL HARS&FRNK
1054 Brea Mall	PETRIES
1058 Brea Mall	KINNEY SHOES
1058 Brea Mall	BREA MALL KINNEY SH
1060 Brea Mall	CONTEMPO CASUALS
1060 Brea Mall	BREA MALL CONTEMPO
1063 Brea Mall	BREA MALL LWSON JWL
1063 Brea Mall	LAWSONS JEWELERS

DRAFT

1064 Brea Mall	PANTS ETC
1064 Brea Mall	BREA MALL PANTS ETC
1065 Brea Mall	NOBBY
1068 Brea Mall	MATSUOKA STAN DR
1068 Brea Mall	MURATA KENNETH DR
1068 Brea Mall	TANIGUCHI SUMIO DR
1082 Brea Mall	REGAL SHOE SHOP
1086 Brea Mall	BREA MALL PIGEONS
1086 Brea Mall	PIGEONS BOUTIQUE
1088 Brea Mall	CAROLS BATH&BEDDERY
1089 Brea Mall	LEEDS SHOE STORES
1094 Brea Mall	BREA MALL BAKER C H
1094 Brea Mall	BAKER C H SHOE STR
1094 Brea Mall	BAKER C H SHOES
1096 Brea Mall	BREA MALL PKLNE HOS
1096 Brea Mall	PARKLANE HOSIERY ST
1098 Brea Mall	BREA MALL D J CLTHG
1098 Brea Mall	DAVID JAMES MNS SHP
1102 Brea Mall	HOTEL FOR HBRDSHRY
1108 Brea Mall	BIG&TALL MENS FSHN
1110 Brea Mall	BRASS BED THE
1113 Brea Mall	MAGIC RAZOR
1113 Brea Mall	MAGIC RAZOR NAIL BR
1113 Brea Mall	BREA MALL MAGIC RAZ
1114 Brea Mall	GENERAL NUTRITON CT
1116 Brea Mall	VIDEO CONCEPTS
1118 Brea Mall	BREA MALL FT LCKER
1118 Brea Mall	FOOT LOCKER
1118 Brea Mall	FOOTLOCKER STORE
1120 Brea Mall	HELEN GRACE CANDIES
1122 Brea Mall	HALL J H JEWELERS
1122 Brea Mall	BREA MALL H J JWLRS
1124 Brea Mall	SUSIES CASUALS
1126 Brea Mall	B DALTON BOOKSELLER
1126 Brea Mall	BREA MALL B DALTON
1128 Brea Mall	BREA MALL WMNS WRLD
1128 Brea Mall	WOMANS WORLD SHOP
1130 Brea Mall	BREA MALL MUSICLAND
1130 Brea Mall	MUSICLAND
1132 Brea Mall	THOM MCAN SHOE STR
1132 Brea Mall	BREA MALL THOM MCAN
1134 Brea Mall	BREA MALL M OUTPOST
1134 Brea Mall	MILLERS OUTPST LEVI
1138 Brea Mall	FOXMOOR CASUALS
1140 Brea Mall	BREA MALL GD BTY SL
1140 Brea Mall	GOOD LOOKS BTY SPLY
1140 Brea Mall	GOOD LOOKS NAIL BAR
1142 Brea Mall	CREATIVE CORNERS

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1146 Brea Mall	AT OUR HOUSE
1150 Brea Mall	SALMAGUNDI
1156 Brea Mall	JAY JORDAN SHOES
2000 Brea Mall	LERNER SHOP
2004 Brea Mall	XXXX
2006 Brea Mall	HOUSE OF FABRICS
2008 Brea Mall	GALLENKAMP SHOES
2008 Brea Mall	BREA MALL GALLENKMP
2010 Brea Mall	BREA MALL HSE FABIC
2010 Brea Mall	OSHMANS SPORTNG GDS
2014 Brea Mall	CASUAL CORNER
2016 Brea Mall	BILL GAMBLE MENS WR
2018 Brea Mall	BREA MALL CHIC ASSE
2018 Brea Mall	CHIC ACESSORIES
2020 Brea Mall	BREA MALL HTFLD JWL
2020 Brea Mall	HATFIELD JEWELERS
2024 Brea Mall	BREA MALL TOY BOX
2024 Brea Mall	TOY BOX
2027 Brea Mall	NATL UNIFORM SHOPS
2027 Brea Mall	BREA MALL MANAGMNT
2027 Brea Mall	HOMART DEVELOPMENT
2028 Brea Mall	WINNING WOMEN THE
2030 Brea Mall	HILANDS TOBCCO LCKR
2030 Brea Mall	BREA MALL W HSE SUE
2036 Brea Mall	KINDERFOTO
2036 Brea Mall	BREA MALL KINDERFOT
2038 Brea Mall	JACKIES FASHION CTR
2040 Brea Mall	BREA MALL MS OS PAN
2040 Brea Mall	MS OS PAN TREE
2042 Brea Mall	PABLOS KITCHEN
2042 Brea Mall	BREA MALL PBLS KTCH
2042 Brea Mall	BREA MALL ORG JULIS
2042 Brea Mall	BREA MALL HAMBRG
2046 Brea Mall	BREA MALL THE PIER
2046 Brea Mall	PIER THE
2048 Brea Mall	BREA MALL R HOT DGS
2048 Brea Mall	FAMOUS RAMOS HOT DG
2050 Brea Mall	BREA MALL CAROUSEL
2050 Brea Mall	CAROUSEL PIZZA
2052 Brea Mall	SULTANS DEN
2054 Brea Mall	BREA MALL CHNESE KG
2054 Brea Mall	CHINESE KING
2057 Brea Mall	SKYLINE WEST
2058 Brea Mall	EARL OF SANDWICH
2059 Brea Mall	TIFFANYS BAKERIES
2060 Brea Mall	SCOOPING STATION
2060 Brea Mall	BREA MALL SCOOP STA
2063 Brea Mall	BREA MALL NATURALZR

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2063 Brea Mall	NATURALIZER WEST
2064 Brea Mall	BEJEWELED OF BREA
2066 Brea Mall	BREA MALL DONUT SHP
2066 Brea Mall	WINCHELLS DONUT HSE
2068 Brea Mall	MALL MUNCHIES
2069 Brea Mall	SUNGLASS THE
2074 Brea Mall	BREA MALL T SHIRTS
2074 Brea Mall	CALIF T SHIRTS
2076 Brea Mall	ALLTIME INC
2076 Brea Mall	BREA MALL ALLTIME I
2078 Brea Mall	WHEREHOUSE THE
2080 Brea Mall	RADIO SHACK BREA
2080 Brea Mall	BREA MALL RDO SHACK
2082 Brea Mall	HOBBYMAN
2082 Brea Mall	BREA MALL HOBBYMAN
2084 Brea Mall	WALDEN BOOKS
2086 Brea Mall	BREA MALL VLY HLLMK
2086 Brea Mall	VALLEY HALLMARK
2088 Brea Mall	BREA MALL C V S
2088 Brea Mall	C V S
2090 Brea Mall	BREA MALL GAP THE
2090 Brea Mall	GAP THE
2092 Brea Mall	GORDONS JEWELERS
2092 Brea Mall	BREA MALL GORDONS
2094 Brea Mall	BREA MALL FLORSHEIM
2094 Brea Mall	FLORSHEIM SHOE STRS
2098 Brea Mall	BREA MALL CO CLLECT
2098 Brea Mall	COUNTRY COLLECTION
2100 Brea Mall	BREA MALL STRIDE RI
2100 Brea Mall	STRIDE RITE BOOTERY
2100 Brea Mall	BARRYS STRIDE RITE
2102 Brea Mall	CIRCUIT THE
2102 Brea Mall	BREA MALL CIRCUIT
2104 Brea Mall	KNIFE GALLERY THE
2106 Brea Mall	SHOP FOR PAPPAGLLO
2106 Brea Mall	BREA MLL PAPPAGALLO
2110 Brea Mall	BREA MALL ON THE GO
2110 Brea Mall	ON THE GO TRAVEL SV
2112 Brea Mall	KAPLANS DELI&REST
2112 Brea Mall	BREA MALL KPLNS DEL
2122 Brea Mall	SANTA ANITA LUGGAGE
2124 Brea Mall	BREA MALL JOELS
2124 Brea Mall	JOELS
2126 Brea Mall	BREA MALL M NUT HSE
2126 Brea Mall	MORROWS NUT HOUSE
2128 Brea Mall	HANOVER SHOES
2130 Brea Mall	SIZE 5 7 9 SHOPS
2132 Brea Mall	ACCENT MUSIC

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2132 Brea Mall	BREA MALL ACCNT MUS
2134 Brea Mall	SPENCER GIFTS
2134 Brea Mall	BREA MALL SPENCER
2136 Brea Mall	JUDYS
2139 Brea Mall	JOYCE SELBY SHOES
2140 Brea Mall	LIMITED THE
2142 Brea Mall	WOODTOWNE
2144 Brea Mall	MALING SHOES
2146 Brea Mall	SINGER COMPANY THE
2146 Brea Mall	PALS VAC SEW CNTRS
2146 Brea Mall	BREA MALL PAL VACUM
2148 Brea Mall	BREA MALL HNSL&GRTL
2148 Brea Mall	HANSEL N GRETEL SHP
2152 Brea Mall	CAFÉ BEIGNET
2154 Brea Mall	I NATURAL COSMETICS
2156 Brea Mall	GENES
2158 Brea Mall	WINDSOR FASHIONS
2162 Brea Mall	SLAVICS JEWELERS

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Research Summary for City Directory Abstract

Site Location:
100 Brea Mall
Brea, CA

HIG Project #:
148383

Date Completed:
10/2/2014

Conducted For:
Terracon Consultants, Inc.
Sacramento, CA

Historical Information Gatherers

HIG has produced a city directory abstract for one or more streets associated with the site location indicated above. The publications used to create the CD Abstract are listed below.

The information below is taken directly from the city directory books. The following are definitions as they are found in the Haines books:

XXXX = is no phone, no people or non-published phone.
600 XXXX = Correct address only. No other information.
X Streetname = intersecting cross street

Publication year, publisher and title.

2011 Haines North Orange County

2006 Haines North Orange County

2002 Haines North Orange County

1996 Haines North Orange County

1991 Haines North Orange County

1986 Haines Orange County

1981 Haines Orange County

1976 Haines Orange County

1971 Haines Orange County

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Abstract Section 1- This section includes the city directory data sorted by address.

891 East Imperial Highway

2011	FIRESTONE CMPLT ATO CR ANHM
2006	FIRESTONE TIRE & SERV CNTR
2002	FIRESTONE TIRE&SERVICE CNTR
1996	FIRESTONE TIRE CNTR
1991	FIRESTONE MASTERCRE
1986	FIRESTONE STORES
1981	FIRESTONE BREA

900 East Imperial Highway

2011	ALPHAGRAPHIC
2006	ALPHAGRAPHICS
2002	ALPHAGRAPHICS
2002	ALPHA GRAPHICS
1996	BREA BICYCLE WORKS
1991	BREA SCHWINN CYCLRY
1986	XXXX
1981	GENES SPRTNG GOODS

903 East Imperial Highway

2011	MATTRESS ETC
2006	MIDAS AUTO SERVICE EXPERTS
2002	MIDAS AUTO SERVICE EXPERTS
1996	MIDAS MUFFLER&BRAKE
1991	MIDAS MUFFLER&BRAKE
1986	MIDAS MUFFLER SHOPS
1981	MIDAS MUFFLER SHOPS

904 East Imperial Highway

2011	STATE FARM INS NEW LOCATION
2006	GOEDL RICH INS
2006	STATE FARM INS COMPANIES
2002	XXXX
1996	SIR SPEEDY PRINTING
1991	CARPETIME
1986	CARPETIME
1981	CLOTHES R US

908 East Imperial Highway

2011	E BUY GOLD INC
2006	H & R BLOCK
2002	H&R BLOCK
2002	BLOCK H&R
1996	BLOCK H&R
1991	BLOCK H&R
1986	EYE CARE USA
1981	JIM EMERY REAL ESTE

910 East Imperial Highway

2002	XXXX
1996	XXXX

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1991	XXXX
1986	XXXX
1981	XXXX
1976	XXXX

912 East Imperial Highway

2011	FITLA CO
2006	NEW HORIZONS NUTRTN
2002	NEW HORIZONS NUTRTN
1996	NEW HORIZONS NUTRTN
1991	NEW HORIZON NUTRITN
1986	NEW HORIZON NUTRITN
1981	ASSOCTS FNCL BREA

916 East Imperial Highway

2011	ANDERSEN G Douglas
2006	ANDERSEN G DOUGLAS DC
2002	DOUGLAS DC
2002	ANDERSEN G
1996	ANDERSEN G D DC
1991	ANDERSEN G D DC
1991	TENCKHOFF CARL DC
1986	TENCKHOFF CARL DC
1986	TENCKHOFF RANDY DC
1981	STORK STOP

920 East Imperial Highway

2011	PAPER WONDERS
2006	BILLS LOCK & SAFE SERVICE
2006	COMMERCL LOCK & SECURITY
2002	COMLOCK SECURITY GROUP
2002	COMMERCIAL LOCK&SECURITY SHOP
2002	COMMERCL LOCK&SECURITY SYSTEMS
2002	BILLS LOCK&SAFE SRV
2002	BILL S LOCK&SAFE SERVICE
1996	COMMERCL LOCK&SCRTY
1996	BILLS LOCK&SAFE SRV
1991	COMMERCL LOCK&SCRTY
1991	BILLS LOCK&SAFE SRV
1986	COMMERCL LOCK&SCRTY
1986	BILLS LOCK&SAFE SRV
1981	BILLS LOCK&SAFE SRV

924 East Imperial Highway

2011	CAMPITELLI COOKIES
2006	CAMPITELLI COOKIES
2002	CAMPITELLI COOKIES
1996	CAMPITELLI COOKIES
1991	CAMPITELLI COOKIES
1986	CAMPITELLI COOKIES
1981	CAMPITELLI WINE&CHS

928 East Imperial Highway

DRAFT

2011	HAIR PRODUCTION LTD
2006	HAIR PRODUCTION LTD
2002	SETS SORIDA
2002	HAIR PRODUCTION LTD
1996	CORMANY Tina
1996	HAIR PRODUCTION LTD
1996	SETS SORIDA
1991	HAIR PRODUCTION LTD
1991	SETS SORIDA
1986	HAIR PRODUCTION LTD
1986	SETS SORIDA
1981	HAIR PRODUCT LTD

932 East Imperial Highway

2011	CREATIVE CAKE AND BKRY BY ANDY
2006	CREATIVE CAKERY THE BUNDT BKRY
2002	CREATIVE CAKERY
1996	NUTRI SYS WGHT LOSS
1991	NUTRI SYS WGHT LOSS
1986	NUTRI SYSTEM WT
1981	WALKER&LEE BREA

936 East Imperial Highway

2011	SHODHAN HARIN DDS
2006	TOUS GARRY S DDS
2002	TOUS GARRY S DDS
1996	BAILEY MICHAEL DDS
1996	TOUS GARRY S DDS
1991	BAILEY MICHL C DDS
1991	TOUS GARRY S DDS
1986	BAILEY MICHL C DDS
1986	TOUS GARRY S DDS
1981	TOUS GARRY S DDS

940 East Imperial Highway

2011	XXXX
2002	XXXX
1996	XXXX
1991	R X PLUS PHARMACY
1991	BARRYS R X PLS PHAR
1986	R X PLUS PHARMACY
1981	PRESCRIPTION PLUS
1981	R X PLUS

944 East Imperial Highway

2002	XXXX
1996	XXXX
1991	XXXX
1986	XXXX
1981	MICROWAVE OVENS
1981	FRIEDMANS MICROWV

956 East Imperial Highway

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2011	LAMPS PLUS
2006	LAMPS PLUS
2002	LAMPS PLUS
1996	LAMPS PLUS
1991	LAMPS PLUS
1986	EVER READY LIGHTNG

1000 East Imperial Highway

2011	BREA DAY SPA
2006	MERCEDES SALON
2006	FINEST NAIL SPA
2006	JENNIFER CONVRTBLS
2002	JENNIFER CONVRTBLS
2002	MERCEDES SALON
1996	MERCEDES SKIN CARE
1996	JENNIFER CONVRTBLS
1996	CRUISE CREATIONS
1991	CRUISE HOLIDAYS
1991	MERCEDES SKIN CARE
1991	SOUTHWEST SAVINGS
1986	UNIGLOBE MERIDIAN
1986	SOUTHWST SVNGS&LN
1981	XXXX
1976	BREA NURSERY
1971	BARRIOS&SONS LNDSCP
1971	BREA NURSERY

1001 East Imperial Highway

2011	TOBIN ACUPUNCTURE & HEALTH INC
2011	NORTH ORNGE CO CHIRO&WLLNSS
2006	NORTH ORNGE CO CHIRO&WLLNSS
2006	NORTH ORANGE CO REHAB CENTER
2002	DR APRIL LOPEZ DC
2002	FAST TWITCH
2002	CHRISTENSEN CREIG DC
2002	RAM CHRISTOPHER DC
2002	RABINOVICH JACOB
2002	NORTH ORANGE CO CHIRO REHAB
2002	PRATLEY BRENT M
1996	MICHAELS MDCL GRP
1996	HERBETS STEVEN MD
1996	M M 2
1991	ORTHO MATRESS INC
1986	ORTHO MATRESS INC
1981	FAYVA SHOE STORE
1981	INTERPRINT SHOP

1009 East Imperial Highway

2011	GEIGER L JEWELERS
2006	GEIGER JEWELERS
2002	GEIGER JEWELERS

DRAFT

1996	NORMAN MERLE COSMTC
1996	MERLE NORMAN CSMTCS
1996	GEIGER JEWELERS
1991	MERLE NORMAN CSMTCS
1991	NORMAN MERLE COSMTC
1991	GEIGER JEWELERS
1986	MERLE NORMAN CSMTCS
1986	NORMAN MERLE CSMTCS
1986	GEIGER JEWELERS
1981	MERLE NORMAN CSMTCS

1010 East Imperial Highway

2011	DMA INSURANCE
2011	ART'S TLRNG & FSHNS FOR MEN
2011	MAGIC WOK CHINESE RESTAURANT
2006	ART'S TLRNG & FSHNS FOR MEN
2006	ART'S TAILORING
2006	MAGIC WOK CHINESE RESTAURANT
2002	ARTS TAILORING&FSHNS FOR MEN
2002	MAGIC WOK CHINESE RESTAURANT
1996	ARTS TLRG&FSHNS MEN
1996	ARTS TLRNG&FSHN MEN
1996	MAGIC WOK RSTRNT
1991	ARTS TLRNG&FSHN MEN
1991	ARTS TLRG&FSHNS MEN
1991	MAGIC WOK RSTRNT
1986	MAGIC WOK RSTRNT
1986	ARTS TAILORING

1015 East Imperial Highway

2011	BAMBOO TEXTILE
2011	CHAN Richard
2011	INTL COFFEE HOUSE THE
2011	JAPANESE RESTAURANT ICHIBAN
2011	KNOOK & KRANNY
2011	L & L ASSOCIATES
2011	MACGREGOR INSURANCE AGENCY
2011	COMFORT DAY SPA
2011	RICHARD CHAN ASSOCIATES
2006	ICHIBAN
2006	KNOOK & KRANNY
2006	L & L ASSOCIATES
2006	COMFORT DAY SPA
2006	MACGREGOR INSURANCE AGENCY
2006	BAMBOO TEXTILE
2006	DESIGN BUILDERS
2006	RICHARD CHAN ASSOCIATES
2002	CHAN RICHARD ARCHITECT AIA
2002	MACGREGOR INS AGNCY
2002	COMFORT DAY SPA

DRAFT

2002	ICHIBAN
2002	L&L ASSOCIATES
2002	KNOOK&KRANNY
1996	MACGREGOR INS AGNCY
1996	L&L ASSOCIATES
1996	ICHIBAN
1996	BREA ACUPRESSURE
1996	AVON PRODUCTS
1996	NORWEST FINANCIAL
1991	NORWEST FINANCIAL
1991	MACGREGOR INS AGNCY
1991	AVON PRODUCTS
1991	L&L ASSOCIATES
1991	ICHIBAN
1986	SANTA ANITA REALTY
1986	IZZYS CAFÉ
1986	PAC TRAVEL SCHOOL
1986	GRANT CO
1981	IZZYS CAFÉ
1981	LOMAX JERRY A
1981	GRANT CO
1981	LOMAX&SACKETT
1981	GOLDEN PEACOCK
1981	CARPENTER GLENN INC
1981	ARMCO INC
1981	SANTA ANITA REALTY

1021 East Imperial Highway

2011	BREA VILLAGE TRAVEL
2011	THE REALM COMICS & GAMES
2011	DOMENIC'S SALON
2006	BREA VILLAGE TRAVEL
2006	DOMENIC'S SALON
2006	FISHERMAN'S ACCESS
2006	DOMINIC'S SALON
2002	FISHERMAN S ACCESS
2002	BREA VILLAGE TRAVEL
2002	CRUISE TRAVEL AIDER
2002	DOMENICS SALON
2002	DOMINICS SALON
1996	DOMINICS SALON
1996	BREA VLG TRAVEL
1996	CRUISE TRAVEL AIDER
1996	DOMENICS SALON
1996	BODY WORKS
1991	BREA VLG TRAVEL
1991	TRAVEL AIDERS INC
1991	PASSPORT PHOTO SV
1991	FITNESS WORKS

DRAFT

1991	CRUISE TRAVEL AIDER
1986	TRAVEL NETWORK
1986	ROSE ROBINSON CRTV
1986	BREA VLG TRAVEL AID
1986	BREA VILLAGE FLWRS
1986	CRUISE TRAVEL ADRS
1986	TRAVEL AIDERS INC
1981	OFFICE BUILDING

1027 East Imperial Highway

2011	VEGGIE LAND
2011	CALIFORNIA CLEANERS
2011	BREA BEAD WORKS
2006	CONSIGNMENTS FROM THE HEART
2006	JONES RDNG & MATH CLINICS INC
2006	CALIFORNIA CLEANERS
2006	BREA TAILORING
2002	CONSIGNMENTS FROM THE HEART
2002	SYLVAN LEARNING CTR
2002	BREA TAILORING
2002	CALIFORNIA CLEANERS
2002	PROMETRIC TESTING CENTER
1996	BREA TAILORING
1996	SYLVAN LEARNING CTR
1996	ABOUT FACE SKIN CRE
1996	CA CLEANERS
1991	ABOUT FACE SKIN CRE
1991	BREA TAILORING
1991	T I P S INTER PRINT
1991	TIPS INTER PRINT
1991	QUILTING CORNER
1986	TIFFANY DS WEDDING
1986	T I P S INTER PRINT
1986	INTERPRINT SHOP
1986	ABOUT FACE SKIN CRE
1986	INTER PRINT SHOP
1986	COMPETITIVE EDGE
1986	BREA TAILORING
1981	IRENES CNTRY CLLCTN
1981	KITCHEN TOOL CO THE
1981	GREAT WSTRN SVGS&LN
1981	VANDERVEEN EHBOKPNG
1981	COMMAND PERFORMANC
1981	CRAFTS&CREATIONS

1033 East Imperial Highway

2011	LEE PRSCILLA G DDS
2011	JOANNA'S NAILS
2011	SALON SWIP
2011	OFFICE BUILDING

DRAFT

2006	CHAN DENNIS K DMD
2006	BREA BEAD WORKS
2006	DRESS TO IMPRESS
2006	EQUITY WEST FINANCIAL INC
2006	ELEGANCE IN TIME
2006	LAURO JOSEPH INS SV
2006	JOANNA'S NAILS
2006	LEE PRISCILLA DDS
2002	ELEGANCE IN TIME
2002	CHAN DENNIS K DMD
2002	DRESS TO IMPRESS
2002	HAPPY NAILS 1
2002	LAURO JOSEPH C INS SVS INC
2002	LAURO JOSEPH INS SV
2002	LEE PRISCILLA G DDS
1996	ELEGANCE IN TIME
1996	CHAN DENNIS K DMD
1996	DIAL GROUP PRO STFF
1996	BREA VLG DENTAL GRP
1996	DRESS TO IMPRESS
1996	DIAL EMPLOYMENT AG
1996	FLHAIR FINE HRCTTNG
1996	LAURO JOSEPH IN S SV
1996	PERSONNEL PLACE THE
1996	LEE PRISCILLA G DDS
1991	FLHAIR FINE HRCTTNG
1991	MYSTIC MERCHANT
1991	SYLVAN LEARNING CTR
1991	MOEINY JACK Z OD
1991	LEE PRISCILLA G DDS
1991	LAURO JOSEPH INS SV
1991	FOR YOUR EYES ONLY
1991	DIAL PERSONNEL ASC
1991	DIAL EMPLOYMENT AG
1991	BREA VLG DENTAL GRP
1991	ELEGANCE IN TIME
1991	CHAN DENNIS K DMD
1986	BASICS FINANCIAL
1986	PAK MAIL
1986	LAURO JOSEPH INS SV
1986	ELEGANCE IN TIME
1986	SECOND SOLE
1986	ALL AMERICAN VIDEO
1986	LEE PRISCILLA G DDS
1986	BASICS REALTY
1986	BREA VLG DENTAL
1986	CHAN DENNIS K DMD
1986	DIAL PERSONNEL ASC

DRAFT

1986	DIAL EMPLOYMENT AG
1986	FLAIR FINE HRCTTNG
1981	OFFICE BUILDING

1039 East Imperial Highway

2011	2 WHEELER DEALER
2011	ROCKIT MUSIC
2006	TWO WHEELER DEALER
2006	ROCKIT MUSIC
2002	ROCKIT MUSIC
2002	TWO WHEELER DEALER
1996	TWO WHEELER DEALER
1996	MACBETHS STND GLASS
1996	MACBETHS CSTM FRAMG
1991	MACBETHS CSTM FRAMG
1991	MACBETHS STND GLASS
1991	MCBETHS STAINED GLS
1991	TWO WHEELER DEALER
1986	FANTASTIC SAMS
1986	MAC BETHS CSTM FRMG
1986	MCBETHS STAINED GLS
1986	TWO WHEELER DEALER
1986	MACBETHS STND GLASS
1981	OAK GALLERY
1981	NAME BRANDS OUTLET

1040 East Imperial Highway

2011	LENSCRAFTERS
2011	EYEXAM OF CALIFORNIA BREA
2011	EYEXAM 2000 OF CA EST IMPRL
2011	A SNAILS PACE RUNNING SHP BERA
2011	DOCTORS OF OPTMTRY EST IMPRL
2006	A SNAILS PACE RUNNING SHOP
2006	SNAILS PACE RUNNING SHOP
2006	KINECTA FEDERAL CREDIT UNION
2002	KINECTA FEDERAL CREDIT UNION
2002	A SNAILS PACE RUNNING SHOP
2002	DOCTORS OF OPTOMETRY
2002	EYEXAM 2000 OF CALIFORNIA INC
2002	SNAILS PACE RUNNING SHOP
2002	LENSCRAFTERS
1996	LENS CRAFTERS
1996	EYEXAM2000 OF CA
1996	COAST FOOTWEAR
1996	SEASONS FLORAL CO
1991	LENS CRAFTERS
1991	COAST FOOTWEAR
1991	EYEXAM 2000 OF CA
1986	COAST FOOTWEAR
1986	HOME FRONT THE

DRAFT

1981	WILD WEST STORES

1045 East Imperial Highway

2011	ELEGANT NAILS & SPA
2011	EASTWOOD INS SERV BREA
2006	ELEGANT NAILS & SPA
2006	EASTWOOD INSURANCE
2002	EASTWOOD INSURANCE SERVICE
2002	RIDDLE Stuart
1996	BOOT BARN
1991	ENTRE COMPUTER CNTR
1986	ENTRE COMPUTER CNTR
1981	PHONE CENTER STORES

1050 East Imperial Highway

2011	BUTTONS & BOWS
2006	HOUSEHOLD FINANCE
2006	CINGULAR WIRELESS
2002	PACIFIC BELL WIRELESS RETAIL
1996	AUDIO HAVEN
1991	FREE STYLE PRO HRCT
1991	FREESTYLE HAIR DSGN
1991	GUARDIAN DIABETICS
1986	LUGGAGE OUTLET THE
1986	FREESTYLE PRO HRCTG
1986	FREE STYLE PRO HRCT
1986	NORDIC PRODUCTS
1986	ACCENT FRAMING ART

1060 East Imperial Highway

2011	LASCARI'S ITALIAN GRILL
2006	LASCARI'S AND SONS INC
2002	PAPA MIO S ITALIAN GRILL
1996	NUMERO UNO PIZZERIA
1991	NUMERO UNO PIZZERIA
1986	GIORGIO ITALN REST

1080 East Imperial Highway

2011	WILD WEST CLEANERS
2011	THE COFFEE BEAN & TEA LEAF
2011	JAMBA JUICE
2006	JAMBA JUICE
2006	WILD WEST CLEANERS
2006	COFFEE BEAN&TEA LEAF THE
2002	WILD WEST CLEANERS
2002	COFFEE BEAN&TEA LEAF THE
1996	WILD WEST CLEANERS
1996	EGGHEAD SOFTWARE
1991	EGGHEAD DISC SFTWRE
1991	WILD WEST CLEANERS
1986	WILD WEST CLEANERS
1986	COMPUTIQUE

DRAFT

1981	COMPUTIQUE

1117 East Imperial Highway

2002	XXXX

1120 East Imperial Highway

2002	XXXX
1996	XXXX
1991	XXXX
1986	XXXX
1981	CARLS JR REST BREA

1130 East Imperial Highway

2011	CARL'S JR BREA
2006	CARL'S JR RESTAURANTS
2002	CARLS JR RESTAURANT
1996	CARLS JR RESTAURANT
1991	CARLS JR RESTAURANT
1986	CARLS JR RESTAURANT

1150 East Imperial Highway

2002	XXXX
1996	XXXX
1991	XXXX
1986	XXXX
1981	BANK OF DOWNEY

1160 East Imperial Highway

2011	ACTIVE RIDE SHOP
2006	ACTIVE RIDE SHOP
2002	TOWER RECORDS VIDEO BKS RCRDS
1996	TOWER RECORDS VIDEO
1991	TOWER RECORDS VIDEO
1991	TOWER RECORDS
1986	TOWER RECORDS
1981	GOLDEN WEST RLTRS
1981	TOWER RECORDS

1200 East Imperial Highway

2011	BREA UNOCAL& TOWING
2006	BREA UNOCAL&TOWING
2002	BREA UNOCAL&TOWING
1996	BREA UNOCAL
1991	BREA UNION SERV
1986	BREA UNION SERV
1981	UNION OIL BREA
1981	INGRAM UNION
1976	UNION OIL DEALER
1976	JOHNSON INGRAM UN

1210 East Imperial Highway

2011	HAT THE
2006	HAT THE
2002	CONZONIRE Joseph
2002	HAT THE

DRAFT

1250 East Imperial Highway	
2011	COCO'S BAKERY & RESTAURANT
2006	COCO'S FAMILY RESTAURANT
2002	COCOS FAMILY RSTRNT
1996	COCOS FMLY RESTRNT
1991	COCOS FMLY RESTRNT
1986	COCOS FMLY RESTRNT
1981	COCOS HAMBURGERS

1273 East Imperial Highway	
2002	XXXX
1996	S&S TRAVEL INC
1991	S&S TRAVEL INC
1986	S&S TRAVEL INC
1981	S&S TRAVEL INC

Abstract Section 2: This section includes the city directory data sorted by the year the city directory was published.

2011	
891 East Imperial Highway	FIRESTONE CMPLT ATO CR ANHM
900 East Imperial Highway	ALPHAGRAPHIC
903 East Imperial Highway	MATTRESS ETC
904 East Imperial Highway	STATE FARM INS NEW LOCATION
908 East Imperial Highway	E BUY GOLD INC
912 East Imperial Highway	FITLA CO
916 East Imperial Highway	ANDERSEN G Douglas
920 East Imperial Highway	PAPER WONDERS
924 East Imperial Highway	CAMPITELLI COOKIES
928 East Imperial Highway	HAIR PRODUCTION LTD
932 East Imperial Highway	CREATIVE CAKE AND BKRY BY ANDY
936 East Imperial Highway	SHODHAN HARIN DDS
940 East Imperial Highway	XXXX
956 East Imperial Highway	LAMPS PLUS
1000 East Imperial Highway	BREA DAY SPA
1001 East Imperial Highway	NORTH ORNGE CO CHIRO&WLLNSS
1001 East Imperial Highway	TOBIN ACUPUNCTURE & HEALTH INC
1009 East Imperial Highway	GEIGER L JEWELERS
1010 East Imperial Highway	ART'S TLRNG & FSHNS FOR MEN
1010 East Imperial Highway	DMA INSURANCE
1010 East Imperial Highway	MAGIC WOK CHINESE RESTAURANT
1015 East Imperial Highway	CHAN Richard
1015 East Imperial Highway	RICHARD CHAN ASSOCIATES
1015 East Imperial Highway	MACGREGOR INSURANCE AGENCY
1015 East Imperial Highway	L & L ASSOCIATES
1015 East Imperial Highway	KNOOK & KRANNY
1015 East Imperial Highway	JAPANESE RESTAURANT ICHIBAN
1015 East Imperial Highway	COMFORT DAY SPA
1015 East Imperial Highway	BAMBOO TEXTILE
1015 East Imperial Highway	INTL COFFEE HOUSE THE

DRAFT

1021 East Imperial Highway	BREA VILLAGE TRAVEL
1021 East Imperial Highway	THE REALM COMICS & GAMES
1021 East Imperial Highway	DOMENIC'S SALON
1027 East Imperial Highway	BREA BEAD WORKS
1027 East Imperial Highway	CALIFORNIA CLEANERS
1027 East Imperial Highway	VEGGIE LAND
1033 East Imperial Highway	LEE PRSCILLA G DDS
1033 East Imperial Highway	SALON SWIP
1033 East Imperial Highway	JOANNA'S NAILS
1033 East Imperial Highway	OFFICE BUILDING
1039 East Imperial Highway	ROCKIT MUSIC
1039 East Imperial Highway	2 WHEELER DEALER
1040 East Imperial Highway	LENSCRAFTERS
1040 East Imperial Highway	A SNAILS PACE RUNNING SHP BERA
1040 East Imperial Highway	DOCTORS OF OPTMTRY EST IMPRL
1040 East Imperial Highway	EYEXAM 2000 OF CA EST IMPRL
1040 East Imperial Highway	EYEXAM OF CALIFORNIA BREA
1045 East Imperial Highway	ELEGANT NAILS & SPA
1045 East Imperial Highway	EASTWOOD INS SERV BREA
1050 East Imperial Highway	BUTTONS & BOWS
1060 East Imperial Highway	LASCARI'S ITALIAN GRILL
1080 East Imperial Highway	JAMBA JUICE
1080 East Imperial Highway	THE COFFEE BEAN & TEA LEAF
1080 East Imperial Highway	WILD WEST CLEANERS
1130 East Imperial Highway	CARL'S JR BREA
1160 East Imperial Highway	ACTIVE RIDE SHOP
1200 East Imperial Highway	BREA UNOCAL& TOWING
1210 East Imperial Highway	HAT THE
1250 East Imperial Highway	COCO'S BAKERY & RESTAURANT
2006	
891 East Imperial Highway	FIRESTONE TIRE & SERV CNTR
900 East Imperial Highway	ALPHAGRAPHICS
903 East Imperial Highway	MIDAS AUTO SERVICE EXPERTS
904 East Imperial Highway	GOEDL RICH INS
904 East Imperial Highway	STATE FARM INS COMPANIES
908 East Imperial Highway	H & R BLOCK
912 East Imperial Highway	NEW HORIZONS NUTRTN
916 East Imperial Highway	ANDERSEN G DOUGLAS DC
920 East Imperial Highway	BILLS LOCK & SAFE SERVICE
920 East Imperial Highway	COMMERCL LOCK & SECURITY
924 East Imperial Highway	CAMPITELLI COOKIES
928 East Imperial Highway	HAIR PRODUCTION LTD
932 East Imperial Highway	CREATIVE CAKERY THE BUNDT BKRY
936 East Imperial Highway	TOUS GARRY S DDS
956 East Imperial Highway	LAMPS PLUS
1000 East Imperial Highway	FINEST NAIL SPA
1000 East Imperial Highway	JENNIFER CONVRTBLS
1000 East Imperial Highway	MERCEDES SALON

DRAFT

1001 East Imperial Highway	NORTH ORANGE CO REHAB CENTER
1001 East Imperial Highway	NORTH ORNGE CO CHIRO&WLLNSS
1009 East Imperial Highway	GEIGER JEWELERS
1010 East Imperial Highway	ART'S TAILORING
1010 East Imperial Highway	ART'S TLRNG & FSHNS FOR MEN
1010 East Imperial Highway	MAGIC WOK CHINESE RESTAURANT
1015 East Imperial Highway	BAMBOO TEXTILE
1015 East Imperial Highway	COMFORT DAY SPA
1015 East Imperial Highway	DESIGN BUILDERS
1015 East Imperial Highway	ICHIBAN
1015 East Imperial Highway	KNOOK & KRANNY
1015 East Imperial Highway	L & L ASSOCIATES
1015 East Imperial Highway	MACGREGOR INSURANCE AGENCY
1015 East Imperial Highway	RICHARD CHAN ASSOCIATES
1021 East Imperial Highway	DOMINIC'S SALON
1021 East Imperial Highway	FISHERMAN'S ACCESS
1021 East Imperial Highway	BREA VILLAGE TRAVEL
1021 East Imperial Highway	DOMENIC'S SALON
1027 East Imperial Highway	CALIFORNIA CLEANERS
1027 East Imperial Highway	CONSIGNMENTS FROM THE HEART
1027 East Imperial Highway	JONES RDNG & MATH CLINICS INC
1027 East Imperial Highway	BREA TAILORING
1033 East Imperial Highway	CHAN DENNIS K DMD
1033 East Imperial Highway	LEE PRISCILLA DDS
1033 East Imperial Highway	LAURO JOSEPH INS SV
1033 East Imperial Highway	JOANNA'S NAILS
1033 East Imperial Highway	EQUITY WEST FINANCIAL INC
1033 East Imperial Highway	DRESS TO IMPRESS
1033 East Imperial Highway	BREA BEAD WORKS
1033 East Imperial Highway	ELEGANCE IN TIME
1039 East Imperial Highway	TWO WHEELER DEALER
1039 East Imperial Highway	ROCKIT MUSIC
1040 East Imperial Highway	SNAILS PACE RUNNING SHOP
1040 East Imperial Highway	KINECTA FEDERAL CREDIT UNION
1040 East Imperial Highway	A SNAILS PACE RUNNING SHOP
1045 East Imperial Highway	EASTWOOD INSURANCE
1045 East Imperial Highway	ELEGANT NAILS & SPA
1050 East Imperial Highway	CINGULAR WIRELESS
1050 East Imperial Highway	HOUSEHOLD FINANCE
1060 East Imperial Highway	LASCARI'S AND SONS INC
1080 East Imperial Highway	COFFEE BEAN&TEA LEAF THE
1080 East Imperial Highway	JAMBA JUICE
1080 East Imperial Highway	WILD WEST CLEANERS
1130 East Imperial Highway	CARL'S JR RESTAURANTS
1160 East Imperial Highway	ACTIVE RIDE SHOP
1200 East Imperial Highway	BREA UNOCAL&TOWING
1210 East Imperial Highway	HAT THE
1250 East Imperial Highway	COCO'S FAMILY RESTAURANT

DRAFT

	X PINE AV
891 East Imperial Highway	FIRESTONE TIRE&SERVICE CNTR
900 East Imperial Highway	ALPHA GRAPHICS
900 East Imperial Highway	ALPHAGRAPHICS
903 East Imperial Highway	MIDAS AUTO SERVICE EXPERTS
904 East Imperial Highway	XXXX
908 East Imperial Highway	BLOCK H&R
908 East Imperial Highway	H&R BLOCK
910 East Imperial Highway	XXXX
912 East Imperial Highway	NEW HORIZONS NUTRTN
916 East Imperial Highway	ANDERSEN G
916 East Imperial Highway	DOUGLAS DC
920 East Imperial Highway	COMMERCIAL LOCK&SECURITY SHOP
920 East Imperial Highway	COMMERCL LOCK&SECURITY SYSTEMS
920 East Imperial Highway	BILL S LOCK&SAFE SERVICE
920 East Imperial Highway	BILLS LOCK&SAFE SRV
920 East Imperial Highway	COMLOCK SECURITY GROUP
924 East Imperial Highway	CAMPITELLI COOKIES
928 East Imperial Highway	HAIR PRODUCTION LTD
928 East Imperial Highway	SETS SORIDA
932 East Imperial Highway	CREATIVE CAKERY
936 East Imperial Highway	TOUS GARRY S DDS
940 East Imperial Highway	XXXX
944 East Imperial Highway	XXXX
956 East Imperial Highway	LAMPS PLUS
	X RANDOLPH AV S
1000 East Imperial Highway	JENNIFER CONVRTBLS
1000 East Imperial Highway	MERCEDES SALON
1001 East Imperial Highway	PRATLEY BRENT M
1001 East Imperial Highway	RABINOVICH JACOB
1001 East Imperial Highway	RAM CHRISTOPHER DC
1001 East Imperial Highway	FAST TWITCH
1001 East Imperial Highway	CHRISTENSEN CREIG DC
1001 East Imperial Highway	DR APRIL LOPEZ DC
1001 East Imperial Highway	NORTH ORANGE CO CHIRO REHAB
1009 East Imperial Highway	GEIGER JEWELERS
1010 East Imperial Highway	ARTS TAILORING&FSHNS FOR MEN
1010 East Imperial Highway	MAGIC WOK CHINESE RESTAURANT
1015 East Imperial Highway	ICHIBAN
1015 East Imperial Highway	MACGREGOR INS AGNCY
1015 East Imperial Highway	KNOOK&KRANNY
1015 East Imperial Highway	COMFORT DAY SPA
1015 East Imperial Highway	CHAN RICHARD ARCHITECT AIA
1015 East Imperial Highway	L&L ASSOCIATES
1021 East Imperial Highway	FISHERMAN S ACCESS
1021 East Imperial Highway	BREA VILLAGE TRAVEL
1021 East Imperial Highway	CRUISE TRAVEL AIDER

DRAFT

1021 East Imperial Highway	DOMENICS SALON
1021 East Imperial Highway	DOMINICS SALON
1027 East Imperial Highway	SYLVAN LEARNING CTR
1027 East Imperial Highway	PROMETRIC TESTING CENTER
1027 East Imperial Highway	BREA TAILORING
1027 East Imperial Highway	CALIFORNIA CLEANERS
1027 East Imperial Highway	CONSIGNMENTS FROM THE HEART
1033 East Imperial Highway	LAURO JOSEPH C INS SVS INC
1033 East Imperial Highway	LAURO JOSEPH INS SV
1033 East Imperial Highway	HAPPY NAILS 1
1033 East Imperial Highway	ELEGANCE IN TIME
1033 East Imperial Highway	DRESS TO IMPRESS
1033 East Imperial Highway	CHAN DENNIS K DMD
1033 East Imperial Highway	LEE PRISCILLA G DDS
	X STATE COLLEG BLVD S
1039 East Imperial Highway	ROCKIT MUSIC
1039 East Imperial Highway	TWO WHEELER DEALER
1040 East Imperial Highway	KINECTA FEDERAL CREDIT UNION
1040 East Imperial Highway	LENSCRAFTERS
1040 East Imperial Highway	SNAILS PACE RUNNING SHOP
1040 East Imperial Highway	A SNAILS PACE RUNNING SHOP
1040 East Imperial Highway	EYEXAM 2000 OF CALIFORNIA INC
1040 East Imperial Highway	DOCTORS OF OPTOMETRY
1045 East Imperial Highway	EASTWOOD INSURANCE SERVICE
1045 East Imperial Highway	RIDDLE Stuart
1050 East Imperial Highway	PACIFIC BELL WIRELESS RETAIL
1060 East Imperial Highway	PAPA MIO S ITALIAN GRILL
1080 East Imperial Highway	COFFEE BEAN&TEA LEAF THE
1080 East Imperial Highway	WILD WEST CLEANERS
1117 East Imperial Highway	XXXX
1120 East Imperial Highway	XXXX
1130 East Imperial Highway	CARLS JR RESTAURANT
1150 East Imperial Highway	XXXX
1160 East Imperial Highway	TOWER RECORDS VIDEO BKS RCRDS
1200 East Imperial Highway	BREA UNOCAL&TOWING
1210 East Imperial Highway	HAT THE
1210 East Imperial Highway	CONZONIRE Joseph
1250 East Imperial Highway	COCOS FAMILY RSTRNT
1273 East Imperial Highway	XXXX
1996	
891 East Imperial Highway	FIRESTONE TIRE CNTR
900 East Imperial Highway	BREA BICYCLE WORKS
903 East Imperial Highway	MIDAS MUFFLER&BRAKE
904 East Imperial Highway	SIR SPEEDY PRINTING
908 East Imperial Highway	BLOCK H&R
910 East Imperial Highway	XXXX
912 East Imperial Highway	NEW HORIZONS NUTRTN
916 East Imperial Highway	ANDERSEN G D DC

DRAFT

920 East Imperial Highway	BILLS LOCK&SAFE SRV
920 East Imperial Highway	COMMERCL LOCK&SCRTY
924 East Imperial Highway	CAMPITELLI COOKIES
928 East Imperial Highway	SETS SORIDA
928 East Imperial Highway	CORMANY Tina
928 East Imperial Highway	HAIR PRODUCTION LTD
932 East Imperial Highway	NUTRI SYS WGHT LOSS
936 East Imperial Highway	BAILEY MICHAEL DDS
936 East Imperial Highway	TOUS GARRY S DDS
940 East Imperial Highway	XXXX
944 East Imperial Highway	XXXX
956 East Imperial Highway	LAMPS PLUS
1000 East Imperial Highway	CRUISE CREATIONS
1000 East Imperial Highway	JENNIFER CONVRTBLS
1000 East Imperial Highway	MERCEDES SKIN CARE
1001 East Imperial Highway	MICHAELS MDCL GRP
1001 East Imperial Highway	HERBETS STEVEN MD
1001 East Imperial Highway	M M 2
1009 East Imperial Highway	NORMAN MERLE COSMTC
1009 East Imperial Highway	GEIGER JEWELERS
1009 East Imperial Highway	MERLE NORMAN CSMTCS
1010 East Imperial Highway	ARTS TLRG&FSHNS MEN
1010 East Imperial Highway	ARTS TLRNG&FSHN MEN
1010 East Imperial Highway	MAGIC WOK RSTRNT
1015 East Imperial Highway	AVON PRODUCTS
1015 East Imperial Highway	BREA ACUPRESSURE
1015 East Imperial Highway	ICHIBAN
1015 East Imperial Highway	L&L ASSOCIATES
1015 East Imperial Highway	MACGREGOR INS AGNCY
1015 East Imperial Highway	NORWEST FINANCIAL
1021 East Imperial Highway	CRUISE TRAVEL AIDER
1021 East Imperial Highway	BODY WORKS
1021 East Imperial Highway	DOMENICS SALON
1021 East Imperial Highway	DOMINICS SALON
1021 East Imperial Highway	BREA VLG TRAVEL
1027 East Imperial Highway	ABOUT FACE SKIN CRE
1027 East Imperial Highway	BREA TAILORING
1027 East Imperial Highway	CA CLEANERS
1027 East Imperial Highway	SYLVAN LEARNING CTR
1033 East Imperial Highway	CHAN DENNIS K DMD
1033 East Imperial Highway	LEE PRISCILLA G DDS
1033 East Imperial Highway	LAURO JOSEPH IN S SV
1033 East Imperial Highway	FLHAIR FINE HRCTTNG
1033 East Imperial Highway	ELEGANCE IN TIME
1033 East Imperial Highway	DRESS TO IMPRESS
1033 East Imperial Highway	DIAL EMPLOYMENT AG
1033 East Imperial Highway	PERSONNEL PLACE THE
1033 East Imperial Highway	BREA VLG DENTAL GRP

DRAFT

1033 East Imperial Highway	DIAL GROUP PRO STFF
1039 East Imperial Highway	TWO WHEELER DEALER
1039 East Imperial Highway	MACBETHS CSTM FRAMG
1039 East Imperial Highway	MACBETHS STND GLASS
1040 East Imperial Highway	COAST FOOTWEAR
1040 East Imperial Highway	EYEXAM2000 OF CA
1040 East Imperial Highway	LENS CRAFTERS
1040 East Imperial Highway	SEASONS FLORAL CO
1045 East Imperial Highway	BOOT BARN
1050 East Imperial Highway	AUDIO HAVEN
1060 East Imperial Highway	NUMERO UNO PIZZERIA
1080 East Imperial Highway	EGGHEAD SOFTWARE
1080 East Imperial Highway	WILD WEST CLEANERS
1120 East Imperial Highway	XXXX
1130 East Imperial Highway	CARLS JR RESTAURANT
1150 East Imperial Highway	XXXX
1160 East Imperial Highway	TOWER RECORDS VIDEO
1200 East Imperial Highway	BREA UNOCAL
1250 East Imperial Highway	COCOS FMLY RESTRNT
1273 East Imperial Highway	S&S TRAVEL INC
1991	
891 East Imperial Highway	FIRESTONE MASTERCRE
900 East Imperial Highway	BREA SCHWINN CYCLRY
903 East Imperial Highway	MIDAS MUFFLER&BRAKE
904 East Imperial Highway	CARPETIME
908 East Imperial Highway	BLOCK H&R
910 East Imperial Highway	XXXX
912 East Imperial Highway	NEW HORIZON NUTRITN
916 East Imperial Highway	ANDERSEN G D DC
916 East Imperial Highway	TENCKHOFF CARL DC
920 East Imperial Highway	BILLS LOCK&SAFE SRV
920 East Imperial Highway	COMMERCL LOCK&SCRTY
924 East Imperial Highway	CAMPITELLI COOKIES
928 East Imperial Highway	HAIR PRODUCTION LTD
928 East Imperial Highway	SETS SORIDA
932 East Imperial Highway	NUTRI SYS WGHT LOSS
936 East Imperial Highway	BAILEY MICHL C DDS
936 East Imperial Highway	TOUS GARRY S DDS
940 East Imperial Highway	BARRYS R X PLS PHAR
940 East Imperial Highway	R X PLUS PHARMACY
944 East Imperial Highway	XXXX
956 East Imperial Highway	LAMPS PLUS
1000 East Imperial Highway	SOUTHWEST SAVINGS
1000 East Imperial Highway	CRUISE HOLIDAYS
1000 East Imperial Highway	MERCEDES SKIN CARE
1001 East Imperial Highway	ORTHO MATRESS INC
1009 East Imperial Highway	NORMAN MERLE COSMTC
1009 East Imperial Highway	GEIGER JEWELERS

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1009 East Imperial Highway	MERLE NORMAN CSMTCS
1010 East Imperial Highway	MAGIC WOK RSTRNT
1010 East Imperial Highway	ARTS TLRNG&FSHN MEN
1010 East Imperial Highway	ARTS TLRG&FSHNS MEN
1015 East Imperial Highway	AVON PRODUCTS
1015 East Imperial Highway	ICHIBAN
1015 East Imperial Highway	L&L ASSOCIATES
1015 East Imperial Highway	MACGREGOR INS AGNCY
1015 East Imperial Highway	NORWEST FINANCIAL
1021 East Imperial Highway	BREA VLG TRAVEL
1021 East Imperial Highway	CRUISE TRAVEL AIDER
1021 East Imperial Highway	FITNESS WORKS
1021 East Imperial Highway	PASSPORT PHOTO SV
1021 East Imperial Highway	TRAVEL AIDERS INC
1027 East Imperial Highway	QUILTING CORNER
1027 East Imperial Highway	T I P S INTER PRINT
1027 East Imperial Highway	BREA TAILORING
1027 East Imperial Highway	ABOUT FACE SKIN CRE
1027 East Imperial Highway	TIPS INTER PRINT
1033 East Imperial Highway	ELEGANCE IN TIME
1033 East Imperial Highway	SYLVAN LEARNING CTR
1033 East Imperial Highway	MYSTIC MERCHANT
1033 East Imperial Highway	MOEINY JACK Z OD
1033 East Imperial Highway	LEE PRISCILLA G DDS
1033 East Imperial Highway	LAURO JOSEPH INS SV
1033 East Imperial Highway	FLHAIR FINE HRCTTNG
1033 East Imperial Highway	DIAL PERSONNEL ASC
1033 East Imperial Highway	DIAL EMPLOYMENT AG
1033 East Imperial Highway	CHAN DENNIS K DMD
1033 East Imperial Highway	BREA VLG DENTAL GRP
1033 East Imperial Highway	FOR YOUR EYES ONLY
1039 East Imperial Highway	MACBETHS STND GLASS
1039 East Imperial Highway	MCBETHS STAINED GLS
1039 East Imperial Highway	TWO WHEELER DEALER
1039 East Imperial Highway	MACBETHS CSTM FRAMG
1040 East Imperial Highway	COAST FOOTWEAR
1040 East Imperial Highway	EYEXAM 2000 OF CA
1040 East Imperial Highway	LENS CRAFTERS
1045 East Imperial Highway	ENTRE COMPUTER CNTR
1050 East Imperial Highway	FREE STYLE PRO HRCT
1050 East Imperial Highway	FREESTYLE HAIR DSGN
1050 East Imperial Highway	GUARDIAN DIABETICS
1060 East Imperial Highway	NUMERO UNO PIZZERIA
1080 East Imperial Highway	EGGHEAD DISC SFTWRE
1080 East Imperial Highway	WILD WEST CLEANERS
1120 East Imperial Highway	XXXX
1130 East Imperial Highway	CARLS JR RESTAURANT
1150 East Imperial Highway	XXXX

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1160 East Imperial Highway	TOWER RECORDS VIDEO
1160 East Imperial Highway	TOWER RECORDS
1200 East Imperial Highway	BREA UNION SERV
1250 East Imperial Highway	COCOS FMLY RESTRNT
1273 East Imperial Highway	S&S TRAVEL INC

1986

891 East Imperial Highway	FIRESTONE STORES
900 East Imperial Highway	XXXX
903 East Imperial Highway	MIDAS MUFFLER SHOPS
904 East Imperial Highway	CARPETIME
908 East Imperial Highway	EYE CARE USA
910 East Imperial Highway	XXXX
912 East Imperial Highway	NEW HORIZON NUTRITN
916 East Imperial Highway	TENCKHOFF CARL DC
916 East Imperial Highway	TENCKHOFF RANDY DC
920 East Imperial Highway	COMMERCL LOCK&SCRTY
920 East Imperial Highway	BILLS LOCK&SAFE SRV
924 East Imperial Highway	CAMPITELLI COOKIES
928 East Imperial Highway	HAIR PRODUCTION LTD
928 East Imperial Highway	SETS SORIDA
932 East Imperial Highway	NUTRI SYSTEM WT
936 East Imperial Highway	BAILEY MICHL C DDS
936 East Imperial Highway	TOUS GARRY S DDS
940 East Imperial Highway	R X PLUS PHARMACY
944 East Imperial Highway	XXXX
956 East Imperial Highway	EVER READY LIGHTNG
1000 East Imperial Highway	SOUTHWST SVNGS&LN
1000 East Imperial Highway	UNIGLOBE MERIDIAN
1001 East Imperial Highway	ORTHO MATRESS INC
1009 East Imperial Highway	NORMAN MERLE CSMTCS
1009 East Imperial Highway	GEIGER JEWELERS
1009 East Imperial Highway	MERLE NORMAN CSMTCS
1010 East Imperial Highway	ARTS TAILORING
1010 East Imperial Highway	MAGIC WOK RSTRNT
1015 East Imperial Highway	GRANT CO
1015 East Imperial Highway	IZZYS CAFÉ
1015 East Imperial Highway	PAC TRAVEL SCHOOL
1015 East Imperial Highway	SANTA ANITA REALTY
1021 East Imperial Highway	BREA VILLAGE FLWRS
1021 East Imperial Highway	BREA VLG TRAVEL AID
1021 East Imperial Highway	CRUISE TRAVEL ADRS
1021 East Imperial Highway	ROSE ROBINSON CRTV
1021 East Imperial Highway	TRAVEL AIDERS INC
1021 East Imperial Highway	TRAVEL NETWORK
1027 East Imperial Highway	INTERPRINT SHOP
1027 East Imperial Highway	TIFFANY DS WEDDING
1027 East Imperial Highway	INTER PRINT SHOP
1027 East Imperial Highway	COMPETITIVE EDGE

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1027 East Imperial Highway	BREA TAILORING
1027 East Imperial Highway	ABOUT FACE SKIN CRE
1027 East Imperial Highway	T I P S INTER PRINT
1033 East Imperial Highway	PAK MAIL
1033 East Imperial Highway	SECOND SOLE
1033 East Imperial Highway	LEE PRISCILLA G DDS
1033 East Imperial Highway	LAURO JOSEPH INS SV
1033 East Imperial Highway	FLAIR FINE HRCTTNG
1033 East Imperial Highway	ELEGANCE IN TIME
1033 East Imperial Highway	DIAL EMPLOYMENT AG
1033 East Imperial Highway	CHAN DENNIS K DMD
1033 East Imperial Highway	BREA VLG DENTAL
1033 East Imperial Highway	BASICS REALTY
1033 East Imperial Highway	BASICS FINANCIAL
1033 East Imperial Highway	ALL AMERICAN VIDEO
1033 East Imperial Highway	DIAL PERSONNEL ASC
1039 East Imperial Highway	MCBETHS STAINED GLS
1039 East Imperial Highway	FANTASTIC SAMS
1039 East Imperial Highway	TWO WHEELER DEALER
1039 East Imperial Highway	MACBETHS STND GLASS
1039 East Imperial Highway	MAC BETHS CSTM FRMG
1040 East Imperial Highway	HOME FRONT THE
1040 East Imperial Highway	COAST FOOTWEAR
1045 East Imperial Highway	ENTRE COMPUTER CNTR
1050 East Imperial Highway	ACCENT FRAMING ART
1050 East Imperial Highway	FREE STYLE PRO HRCT
1050 East Imperial Highway	FREESTYLE PRO HRCTG
1050 East Imperial Highway	LUGGAGE OUTLET THE
1050 East Imperial Highway	NORDIC PRODUCTS
1060 East Imperial Highway	GIORGIO ITALN REST
1080 East Imperial Highway	WILD WEST CLEANERS
1080 East Imperial Highway	COMPUTIQUE
1120 East Imperial Highway	XXXX
1130 East Imperial Highway	CARLS JR RESTAURANT
1150 East Imperial Highway	XXXX
1160 East Imperial Highway	TOWER RECORDS
1200 East Imperial Highway	BREA UNION SERV
1250 East Imperial Highway	COCOS FMLY RESTRNT
1273 East Imperial Highway	S&S TRAVEL INC
1981	
891 East Imperial Highway	FIRESTONE BREA
900 East Imperial Highway	GENES SPRTNG GOODS
903 East Imperial Highway	MIDAS MUFFLER SHOPS
904 East Imperial Highway	CLOTHES R US
908 East Imperial Highway	JIM EMERY REAL ESTE
910 East Imperial Highway	XXXX
912 East Imperial Highway	ASSOCTS FNCL BREA
916 East Imperial Highway	STORK STOP

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920 East Imperial Highway	BILLS LOCK&SAFE SRV
924 East Imperial Highway	CAMPITELLI WINE&CHS
928 East Imperial Highway	HAIR PRODUCT LTD
932 East Imperial Highway	WALKER&LEE BREA
936 East Imperial Highway	TOUS GARRY S DDS
940 East Imperial Highway	PRESCRIPTION PLUS
940 East Imperial Highway	R X PLUS
944 East Imperial Highway	MICROWAVE OVENS
944 East Imperial Highway	FRIEDMANS MICROWV
1000 East Imperial Highway	XXXX
1001 East Imperial Highway	INTERPRINT SHOP
1001 East Imperial Highway	FAYVA SHOE STORE
1009 East Imperial Highway	MERLE NORMAN CSMTCS
1015 East Imperial Highway	GOLDEN PEACOCK
1015 East Imperial Highway	LOMAX&SACKETT
1015 East Imperial Highway	LOMAX JERRY A
1015 East Imperial Highway	SANTA ANITA REALTY
1015 East Imperial Highway	CARPENTER GLENN INC
1015 East Imperial Highway	ARMCO INC
1015 East Imperial Highway	IZZYS CAFÉ
1015 East Imperial Highway	GRANT CO
1021 East Imperial Highway	OFFICE BUILDING
1027 East Imperial Highway	COMMAND PERFORMANC
1027 East Imperial Highway	CRAFTS&CREATIONS
1027 East Imperial Highway	GREAT WSTRN SVGS&LN
1027 East Imperial Highway	IRENES CNTRY CLLCTN
1027 East Imperial Highway	KITCHEN TOOL CO THE
1027 East Imperial Highway	VANDERVEEN EHBOKPNG
1033 East Imperial Highway	OFFICE BUILDING
1039 East Imperial Highway	NAME BRANDS OUTLET
1039 East Imperial Highway	OAK GALLERY
1040 East Imperial Highway	WILD WEST STORES
1045 East Imperial Highway	PHONE CENTER STORES
1080 East Imperial Highway	COMPUTIQUE
1120 East Imperial Highway	CARLS JR REST BREA
1150 East Imperial Highway	BANK OF DOWNEY
1160 East Imperial Highway	GOLDEN WEST RLTRS
1160 East Imperial Highway	TOWER RECORDS
1200 East Imperial Highway	UNION OIL BREA
1200 East Imperial Highway	INGRAM UNION
1250 East Imperial Highway	COCOS HAMBURGERS
1273 East Imperial Highway	S&S TRAVEL INC
1976	
910 East Imperial Highway	XXXX
1000 East Imperial Highway	BREA NURSERY
1200 East Imperial Highway	JOHNSON INGRAM UN
1200 East Imperial Highway	UNION OIL DEALER
1971	

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1000 East Imperial Highway	BREA NURSERY
1000 East Imperial Highway	BARRIOS&SONS LNDSCP

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Research Summary for City Directory Abstract

Site Location:
100 Brea Mall
Brea, CA

HIG Project #:
148383

Date Completed:
10/2/2014

Conducted For:
Terracon Consultants, Inc.
Sacramento, CA

Historical Information Gatherers

HIG has produced a city directory abstract for one or more streets associated with the site location indicated above. The publications used to create the CD Abstract are listed below.

The information below is taken directly from the city directory books. The following are definitions as they are found in the Haines books:

XXXX = is no phone, no people or non-published phone.
600 XXXX = Correct address only. No other information.
X Streetname = intersecting cross street

Publication year, publisher and title.

2011 Haines North Orange County

2006 Haines North Orange County

2002 Haines North Orange County

1996 Haines North Orange County

1991 Haines North Orange County

1986 Haines Orange County

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Abstract Section 1- This section includes the city directory data sorted by address.

200 South State College Boulevard

2011	OSAKA SEAFOOD BUFFET
2006	BOBBY MCGEE'S CONGLOMERATION
2002	BOBBY MCGEE S CONGLOMERATION
2002	RAGEN Dennis
1996	BOBBY MCGEES
1991	BOBBY MCGEES
1986	BOBBY MCGEES

211 South State College Boulevard

2002	XXXX
1996	XXXX
1991	PORT A DJ
1991	WESTRN UN CNSMR SVS
1991	ANAHEIM POP WARNER

220 South State College Boulevard

2011	BANCO POPULAR
2006	BANCO POPULAR
2002	MILLER David
2002	QUAKER CTY FED SVNGS&LN
1996	QUAKER FED SVG&LOAN
1996	QUAKER CTY SVG&LOAN
1991	UNION FED SVGS&LOAN
1986	XXXX

230 South State College Boulevard

2011	WELLS FARGO BREA
2006	WELLS FRGO
2002	WELLS FARGO BK
1996	WELLS FARGO BK SERV
1991	SECURITY PAC

234 South State College Boulevard

2002	XXXX
1996	ACE SHOE REPAIR
1991	PARK SHOE REPAIR

240 South State College Boulevard

2011	LA VIE EN ROSE RESTAURANT
2006	LA VIE EN ROSE RESTAURANT
2006	VIE EN ROSE LA
2002	LA VIE EN ROSE
2002	VIE EN ROSE LA
1996	VIE EN ROSE LA
1996	LAVIEEN ROSE
1991	VIE EN ROSE LA
1991	LAVIEEN Rose
1986	LAVIE EN ROSE
1986	VIE EN ROSE LA

250 South State College Boulevard

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2011	XXXX
2006	ISLANDS RESTAURANTS BREA
2002	ISLANDS RESTAURANTS
1996	ISLANDS RESTAURANT
1991	AVILAS MEXICAN REST
1991	EL RANCHITO CATERNG
1991	EL RANCHITO MEXICAN
1986	GOOD EARTH RSTRNT

270 South State College Boulevard

2011	CHASE
2006	WASH MUTUAL
2002	WASHINGTON MUTL BK LCTNS
2002	BERRYMAN Dennis
1996	GREAT WSTRN FNCL
1991	GREAT WSTRN BK SVGS
1986	GREAT WSTRN SAVINGS

280 South State College Boulevard

2011	ALFRED ANGELO BRIDAL
2011	FRIAR TUX SHOP
2006	ILLUSIONS FORMAL TXD&BRDL CT
2006	FRIAR TUX SHOP
2006	ALLUSIONS FRML TXDO&BRDL CNTR
2002	ILLUSIONS FORMAL TXD&BRDL CT
2002	CHEW Cheryl
2002	ALLUSIONS FORMAL TUXEDO&BRIDAL
1996	FIRST INTRST ACCNTS
1991	FIRST INTRST NOTES
1991	FIRST INTRST LOANS
1991	FIRST INTRST
1991	FIRST INTRST ACCNT
1986	FIRST INTRST BK

290 South State College Boulevard

2011	BANK OF AMERICA
2011	BANK OF AM BNA PRK-TLPHNE
2006	BANK AM BANKING CT
2002	CLOCK Edwin
2002	BANK AM BANKING CT
1996	XXXX
1991	BANK AM NEW LN INFO

Abstract Section 2: This section includes the city directory data sorted by the year the city directory was published.

2011

200 South State College Boulevard	OSAKA SEAFOOD BUFFET
220 South State College Boulevard	BANCO POPULAR
230 South State College Boulevard	WELLS FARGO BREA
240 South State College Boulevard	LA VIE EN ROSE RESTAURANT
250 South State College Boulevard	XXXX

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270 South State College Boulevard	CHASE
280 South State College Boulevard	ALFRED ANGELO BRIDAL
280 South State College Boulevard	FRIAR TUX SHOP
290 South State College Boulevard	BANK OF AM BNA PRK-TLPHNE
290 South State College Boulevard	BANK OF AMERICA
2006	
200 South State College Boulevard	BOBBY MCGEE'S CONGLOMERATION
220 South State College Boulevard	BANCO POPULAR
230 South State College Boulevard	WELLS FRGO
240 South State College Boulevard	LA VIE EN ROSE RESTAURANT
240 South State College Boulevard	VIE EN ROSE LA
250 South State College Boulevard	ISLANDS RESTAURANTS BREA
270 South State College Boulevard	WASH MUTUAL
280 South State College Boulevard	ILLUSIONS FORMAL TXD&BRDL CT
280 South State College Boulevard	FRIAR TUX SHOP
280 South State College Boulevard	ALLUSIONS FRML TXDO&BRDL CNTR
290 South State College Boulevard	BANK AM BANKING CT
2002	
	X IMPERIAL HWY E
200 South State College Boulevard	BOBBY MCGEE S CONGLOMERATION
200 South State College Boulevard	RAGEN Dennis
211 South State College Boulevard	XXXX
220 South State College Boulevard	MILLER David
220 South State College Boulevard	QUAKER CTY FED SVNGS&LN
230 South State College Boulevard	WELLS FARGO BK
234 South State College Boulevard	XXXX
240 South State College Boulevard	VIE EN ROSE LA
240 South State College Boulevard	LA VIE EN ROSE
250 South State College Boulevard	ISLANDS RESTAURANTS
270 South State College Boulevard	BERRYMAN Dennis
270 South State College Boulevard	WASHINGTON MUTL BK LCTNS
280 South State College Boulevard	ALLUSIONS FORMAL TUXEDO&BRIDAL
280 South State College Boulevard	CHEW Cheryl
280 South State College Boulevard	ILLUSIONS FORMAL TXD&BRDL CT
290 South State College Boulevard	CLOCK Edwin
290 South State College Boulevard	BANK AM BANKING CT
	X AVOCADO
1996	
200 South State College Boulevard	BOBBY MCGEES
211 South State College Boulevard	XXXX
220 South State College Boulevard	QUAKER CTY SVG&LOAN
220 South State College Boulevard	QUAKER FED SVG&LOAN
230 South State College Boulevard	WELLS FARGO BK SERV
234 South State College Boulevard	ACE SHOE REPAIR
240 South State College Boulevard	LAVIEEN ROSE
240 South State College Boulevard	VIE EN ROSE LA
250 South State College Boulevard	ISLANDS RESTAURANT
270 South State College Boulevard	GREAT WSTRN FNCL

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280 South State College Boulevard	FIRST INTRST ACCNTS
290 South State College Boulevard	XXXX
1991	
200 South State College Boulevard	BOBBY MCGEES
211 South State College Boulevard	ANAHEIM POP WARNER
211 South State College Boulevard	PORT A DJ
211 South State College Boulevard	WESTRN UN CNSMR SVS
220 South State College Boulevard	UNION FED SVGS&LOAN
230 South State College Boulevard	SECURITY PAC
234 South State College Boulevard	PARK SHOE REPAIR
240 South State College Boulevard	LAVIEEN Rose
240 South State College Boulevard	VIE EN ROSE LA
250 South State College Boulevard	AVILAS MEXICAN REST
250 South State College Boulevard	EL RANCHITO CATERNG
250 South State College Boulevard	EL RANCHITO MEXICAN
270 South State College Boulevard	GREAT WSTRN BK SVGS
280 South State College Boulevard	FIRST INTRST ACCNT
280 South State College Boulevard	FIRST INTRST LOANS
280 South State College Boulevard	FIRST INTRST
280 South State College Boulevard	FIRST INTRST NOTES
290 South State College Boulevard	BANK AM NEW LN INFO
1986	
200 South State College Boulevard	BOBBY MCGEES
220 South State College Boulevard	XXXX
240 South State College Boulevard	LAVIE EN ROSE
240 South State College Boulevard	VIE EN ROSE LA
250 South State College Boulevard	GOOD EARTH RSTRNT
270 South State College Boulevard	GREAT WSTRN SAVINGS
280 South State College Boulevard	FIRST INTRST BK

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APPENDIX D
ENVIRONMENTAL DATABASE INFORMATION

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Sears- Brea #1638 Update
100 Brea Mall
Brea, CA 92821

Inquiry Number: 4278563.2s
April 29, 2015

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The EDR Radius Map™ Report

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Map Findings	8
Orphan Summary	118
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GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR).
The results of this search follow:

TARGET PROPERTY ADDRESS

SEARS- BREA #1638 UPDATE
100 BREA MALL
BREA, CA 92821
Elevation: 365 ft.
EDR Inquiry Number: 4278563.2s

STANDARD ENVIRONMENTAL RECORDS

ADDITIONAL ENVIRONMENTAL RECORDS

| TARGET PROPERTY SEARCH RESULTS
Site | Map ID
Direction
Distance
Distance ft.
Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | CERCLIS | FEDERAL FACILITY | CERC-NFRAP | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-CESQG | US ENG CONTROLS | US INST CONTROL | LUCIS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | SLIC | INDIAN LUST | UST | AST | INDIAN UST | FEMA UST | INDIAN VCP | VCP | US BROWNFIELDS | ODI | DEBRIS REGION 9 | SWRCY | HAULERS | INDIAN ODI | WMUDS/SWAT | US CDL | HIST Cal-Sites | SCH | Toxic Pits | CDL | US HIST CDL | CA FID UST | HIST UST | SWEEPS UST | LIENS 2 | LIENS | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | DOT OPS | DOD | FUDS | CONSENT | ROD | UMTRA | US MINES | TRIS | TSCA | FTTS | HIST FTTS | SSTS | ICIS | PADS | MLTS | RADINFO | FINDS | RAATS | RMP | CA BOND EXP. PLAN | NPDES | UIC | Cortese | HIST CORTESE | CUPA Listings | Notify 65 | DRYCLEANERS | WIP | ENF | HAZNET | EMI | INDIAN RESERV | SCRD DRYCLEANERS | COAL ASH EPA | US AIRS | MWMP | WDS | Financial Assurance | PROC | HWT | HWP | COAL ASH DOE | 2020 COR ACTION | PRP | LEAD SMELTERS | EPA WATCH LIST |
|---|---|---

EXECUTIVE SUMMARY

TARGET PROPERTY ADDRESS

SEARS- BREA #1638 UPDATE
100 BREA MALL
BREA, CA 92821
Elevation: 365 ft.
EDR Inquiry Number: 4278563.2s

STANDARD ENVIRONMENTAL RECORDS

ADDITIONAL ENVIRONMENTAL RECORDS

| SURROUNDING PROPERTY SEARCH RESULTS
Site | Map ID
Direction
Distance
Distance ft.
Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | CERCLIS | FEDERAL FACILITY | CERC-NFRAP | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-CESQG | US ENG CONTROLS | US INST CONTROL | LUCIS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | SLIC | INDIAN LUST | UST | AST | INDIAN UST | FEMA UST | INDIAN VCP | VCP | US BROWNFIELDS | ODI | DEBRIS REGION 9 | SWRCY | HAULERS | INDIAN ODI | WMUDS/SWAT | US CDL | HIST Cal-Sites | SCH | Toxic Pits | CDL | US HIST CDL | CA FID UST | HIST UST | SWEEPS UST | LIENS 2 | LIENS | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | DOT OPS | DOD | FUDS | CONSENT | ROD | UMTRA | US MINES | TRIS | TSCA | FTTS | HIST FTTS | SSTS | ICIS | PADS | MLTS | RADINFO | FINDS | RAATS | RMP | CA BOND EXP. PLAN | NPDES | UIC | Cortese | HIST CORTESE | CUPA Listings | Notify 65 | DRYCLEANERS | WIP | ENF | HAZNET | EMI | INDIAN RESERV | SCRD DRYCLEANERS | COAL ASH EPA | US AIRS | MWMP | WDS | Financial Assurance | PROC | HWT | HWP | COAL ASH DOE | 2020 COR ACTION | PRP | LEAD SMELTERS | EPA WATCH LIST |
|---|---|---

EXECUTIVE SUMMARY

TARGET PROPERTY ADDRESS

SEARS- BREA #1638 UPDATE
100 BREA MALL
BREA, CA 92821
Elevation: 365 ft.
EDR Inquiry Number: 4278563.2s

STANDARD ENVIRONMENTAL RECORDS

ADDITIONAL ENVIRONMENTAL RECORDS

| **SURROUNDING PROPERTY SEARCH RESULTS** Site | Map ID Direction Distance Distance ft. Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | CERCLIS | FEDERAL FACILITY | CERC-NFRAP | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-CESQG | US ENG CONTROLS | US INST CONTROL | LUCIS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | SLIC | INDIAN LUST | UST | AST | INDIAN UST | FEMA UST | INDIAN VCP | VCP | US BROWNFIELDS | ODI | DEBRIS REGION 9 | SWRCY | HAULERS | INDIAN ODI | WMUDS/SWAT | US CDL | HIST Cal-Sites | SCH | Toxic Pits | CDL | US HIST CDL | CA FID UST | HIST UST | SWEEPS UST | LIENS 2 | LIENS | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | DOT OPS | DOD | FUDS | CONSENT | ROD | UMTRA | US MINES | TRIS | TSCA | FTTS | HIST FTTS | SSTS | ICIS | PADS | MLTS | RADINFO | FINDS | RAATS | RMP | CA BOND EXP. PLAN | NPDES | UIC | Cortese | HIST CORTESE | CUPA Listings | Notify 65 | DRYCLEANERS | WIP | ENF | HAZNET | EMI | INDIAN RESERV | SCRD DRYCLEANERS | COAL ASH EPA | US AIRS | MWMP | WDS | Financial Assurance | PROC | HWT | HWP | COAL ASH DOE | 2020 COR ACTION | PRP | LEAD SMELTERS | EPA WATCH LIST |
|---|---|---

EXECUTIVE SUMMARY

TARGET PROPERTY ADDRESS

SEARS- BREA #1638 UPDATE
100 BREA MALL
BREA, CA 92821
Elevation: 365 ft.
EDR Inquiry Number: 4278563.2s

STANDARD ENVIRONMENTAL RECORDS

ADDITIONAL ENVIRONMENTAL RECORDS

| SURROUNDING PROPERTY SEARCH RESULTS
Site | Map ID
Direction
Distance
Distance ft.
Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | CERCLIS | FEDERAL FACILITY | CERC-NFRAP | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-CESQG | US ENG CONTROLS | US INST CONTROL | LUCIS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | SLIC | INDIAN LUST | UST | AST | INDIAN UST | FEMA UST | INDIAN VCP | VCP | US BROWNFIELDS | ODI | DEBRIS REGION 9 | SWRCY | HAULERS | INDIAN ODI | WMUDS/SWAT | US CDL | HIST Cal-Sites | SCH | Toxic Pits | CDL | US HIST CDL | CA FID UST | HIST UST | SWEEPS UST | LIENS 2 | LIENS | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | DOT OPS | DOD | FUDS | CONSENT | ROD | UMTRA | US MINES | TRIS | TSCA | FTTS | HIST FTTS | SSTS | ICIS | PADS | MLTS | RADINFO | FINDS | RAATS | RMP | CA BOND EXP. PLAN | NPDES | UIC | Cortese | HIST CORTESE | CUPA Listings | Notify 65 | DRYCLEANERS | WIP | ENF | HAZNET | EMI | INDIAN RESERV | SCRD DRYCLEANERS | COAL ASH EPA | US AIRS | MWMP | WDS | Financial Assurance | PROC | HWT | HWP | COAL ASH DOE | 2020 COR ACTION | PRP | LEAD SMELTERS | EPA WATCH LIST |
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EXECUTIVE SUMMARY

TARGET PROPERTY ADDRESS

SEARS- BREA #1638 UPDATE
100 BREA MALL
BREA, CA 92821
Elevation: 365 ft.
EDR Inquiry Number: 4278563.2s

STANDARD ENVIRONMENTAL RECORDS

ADDITIONAL ENVIRONMENTAL RECORDS

| SURROUNDING PROPERTY SEARCH RESULTS
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Distance ft.
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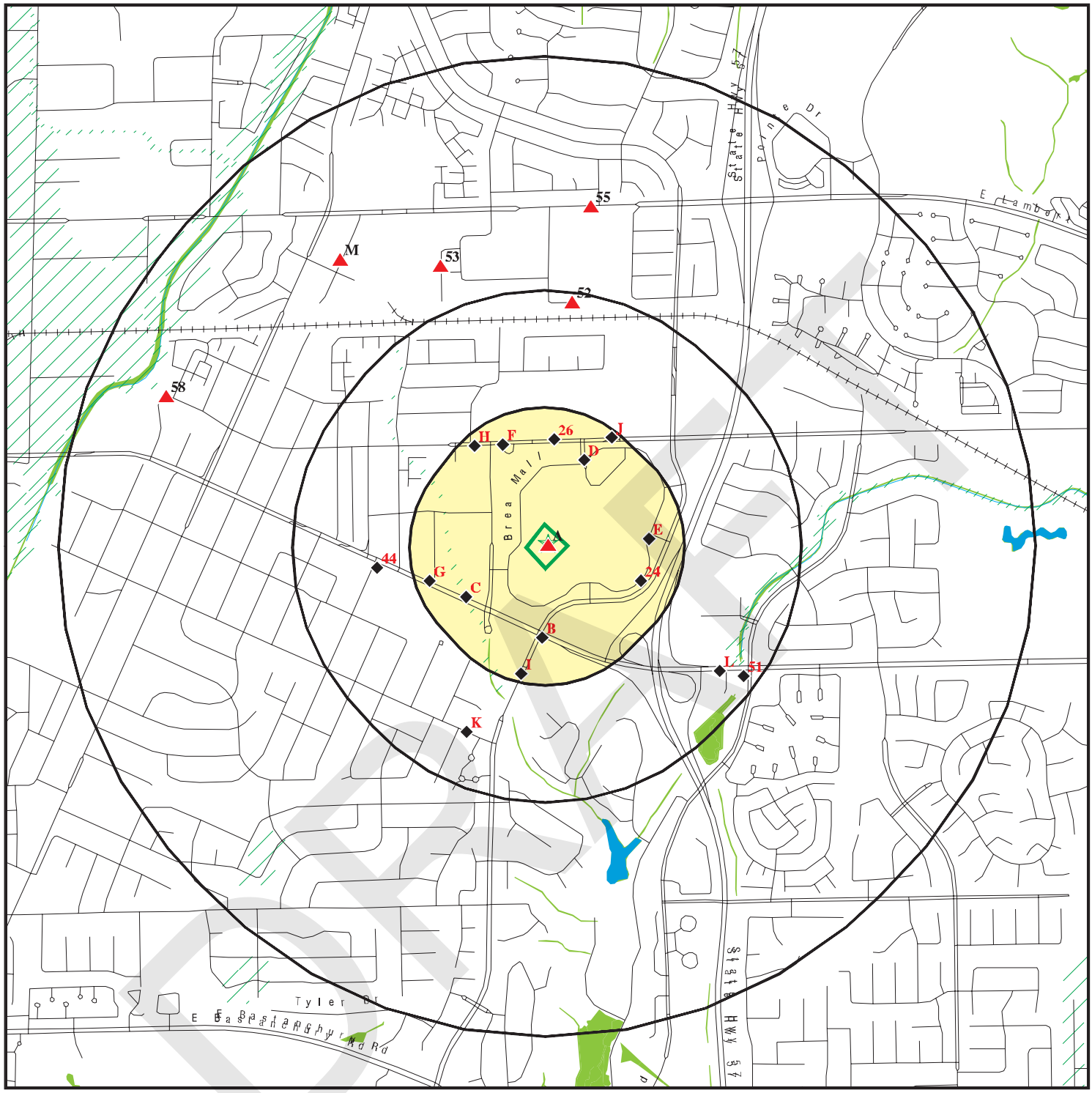
|---|---|---

OVERVIEW MAP - 4278563.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Sears- Brea #1638 Update	CLIENT:	Terracon
ADDRESS:	100 Brea Mall Brea CA 92821	CONTACT:	Melanie Seydel
		INQUIRY #:	4278563.2s
LAT/LONG:	33.9146 / 117.8876	DATE:	April 29, 2015 9:03 am

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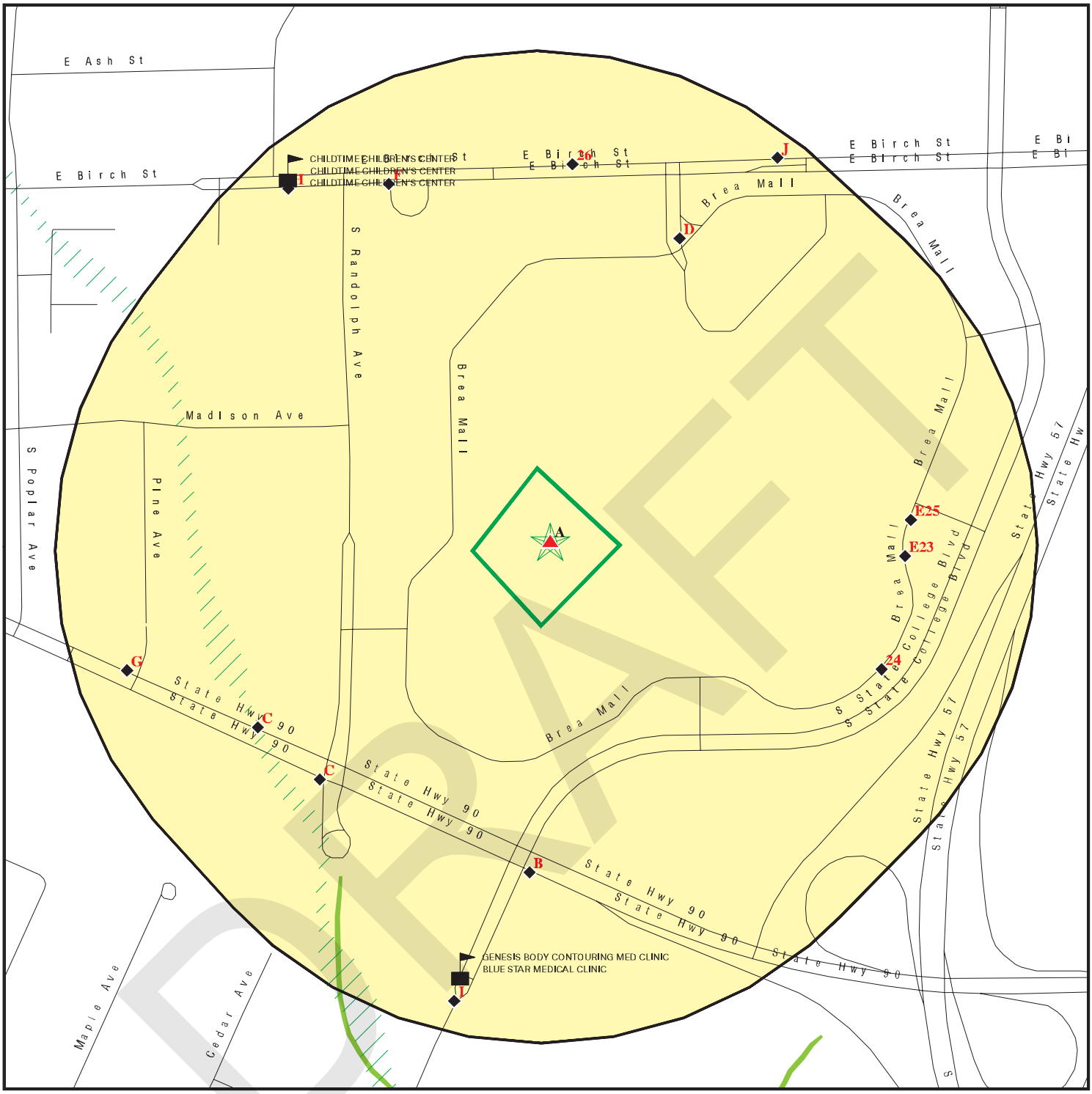
DETAIL MAP - 4278563.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines from USGS

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		DATE:	April 29, 2015 9:04 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250	1	0	9	NR	NR	NR	10
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	6	NR	6
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	8	9	NR	NR	17

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250	1	0	6	NR	NR	NR	7
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		0	4	NR	NR	NR	4
HIST UST	0.250	1	0	6	NR	NR	NR	7
SWEEPS UST	0.250		0	3	NR	NR	NR	3
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0

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MCS	TP		NR	NR	NR	NR	NR	0
Orange Co. Industrial Site	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	4	1	NR	NR	5
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	3	NR	NR	NR	3
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250	1	0	4	NR	NR	NR	5
EDR US Hist Cleaners	0.250		0	3	NR	NR	NR	3
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		6	0	50	10	6	0	72

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

DRAFT

A1 **EDR US Hist Auto Stat** **1015117669**
Target Property **100 BREA MALL**
BREA, CA 92821 **N/A**

Site 1 of 6 in cluster A

Actual: 365 ft.

EDR Historical Auto Stations:

Name:	SEARS AUTO CTR
Year:	2010
Address:	100 BREA MALL
Name:	SEARS AUTO CENTER
Year:	2011
Address:	100 BREA MALL

A2 **SEARS- BREA** **RCRA-SQG** **1000369401**
Target Property **100 BREA MALL** **CAD980892301**
BREA, CA 92821

Site 2 of 6 in cluster A

Actual: 365 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SEARS- BREA
Facility address:	100 BREA MALL BREA, CA 92821
EPA ID:	CAD980892301
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	SEARS
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private

DRAFT

SEARS- BREA (Continued) **1000369401**

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 10/09/1985
Site name: SEARS- BREA
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 09/28/1992
Date achieved compliance: 05/12/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/12/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 09/28/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/12/1994
Evaluation lead agency: State Contractor/Grantee

DRAFT

A3 **SEARCH, ROEBUCK AND CO.** **HIST UST** **U001576737**
Target **100 BREA MALL** **N/A**
Property **BREA, CA 92621**

Site 3 of 6 in cluster A

Actual:
365 ft.

HIST UST:

Region:	STATE
Facility ID:	00000036076
Facility Type:	Other
Other Type:	RETAIL
Contact Name:	Not reported
Telephone:	7149906020
Owner Name:	SEARS, ROEBUCK AND CO.
Owner Address:	100 BREA MALL
Owner City,St,Zip:	BREA, CA 92621
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1977
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Visual

A4 **SEARS ROEBUCK AND CO 1638/6458/8358** **HAZNET** **S113003213**
Target **100 BREA MALL** **N/A**
Property **BREA, CA 92621**

Site 4 of 6 in cluster A

Actual:
365 ft.

HAZNET:

envid:	S113003213
Year:	2013
GEPAID:	CAD980892301
Contact:	ROBYN WEST
Telephone:	8472860037
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-348A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	Orange
TSD EPA ID:	NED981723513
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.1
Facility County:	Not reported
envid:	S113003213
Year:	2013
GEPAID:	CAD980892301
Contact:	ROBYN WEST
Telephone:	8472860037
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-348A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	Orange
TSD EPA ID:	CAT000613893

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SEARS ROEBUCK AND CO 1638/6458/8358 (Continued) **S113003213**

TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1245
Facility County:	Not reported
envid:	S113003213
Year:	2013
GEPAID:	CAD980892301
Contact:	ROBYN WEST
Telephone:	8472860037
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-348A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	Orange
TSD EPA ID:	CAT000613976
TSD County:	Orange
Waste Category:	Not reported
Disposal Method:	Not reported
Tons:	0.042
Facility County:	Not reported
envid:	S113003213
Year:	2013
GEPAID:	CAD980892301
Contact:	ROBYN WEST
Telephone:	8472860037
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-348A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	Orange
TSD EPA ID:	CAT000613976
TSD County:	Orange
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1092
Facility County:	Not reported
envid:	S113003213
Year:	2013
GEPAID:	CAD980892301
Contact:	ROBYN WEST
Telephone:	8472860037
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-348A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	Orange
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Facility County:	Not reported

DRAFT

SEARS ROEBUCK AND CO 1638/6458/8358 (Continued) **S113003213**

Click this hyperlink while viewing on your computer to access
219 additional CA_HAZNET: record(s) in the EDR Site Report.

A5 **SEARS #1638/6458/8358** **FINDS** **1008153197**
Target **100 BREA MALL** **N/A**
Property **BREA, CA 92821**

Site 5 of 6 in cluster A

Actual:
365 ft.

FINDS:

Registry ID: 110019007091

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A6 **SEARS ROEBUCK & CO #1638** **UST** **U003941576**
Target **100 BREA MALL** **N/A**
Property **BREA, CA 92821**

Site 6 of 6 in cluster A

Actual:
365 ft.

UST:
Facility ID: 4062
Permitting Agency: ORANGE COUNTY
Latitude: 33.9184213
Longitude: -117.8875989

B7 **BREA C STORE AND GAS** **UST** **U004200594**
South **1200 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92821**
0.148 mi.
781 ft. **Site 1 of 9 in cluster B**

Relative:
Lower

ORANGE CO. UST:
Facility ID: FA0055344

Actual:
342 ft.

DRAFT

B8 **UNION OIL SERVICE STATION #635** **HIST UST** **U001576753**
South **1200 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92621**
0.148 mi.
781 ft. **Site 2 of 9 in cluster B**

Relative:
Lower

Actual:
342 ft.

HIST UST:

Region:	STATE
Facility ID:	00000013563
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	NASSER FIROUZNAM
Telephone:	7145292171
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	123 CAMINO DE LA REINA
Owner City,St,Zip:	SAN DIEGO, CA 92108
Total Tanks:	0003
Tank Num:	001
Container Num:	6356-34
Year Installed:	1974
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	6356-22
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	6356-11
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10

B9 **TOSCO - 76 STATION # 6356** **LUST** **S101631275**
South **1200 IMPERIAL** **CA FID UST** **N/A**
1/8-1/4 **BREA, CA 92621**
0.148 mi.
781 ft. **Site 3 of 9 in cluster B**

Relative:
Lower

Actual:
342 ft.

LUST:

Region:	STATE
Global Id:	T0605901835
Latitude:	33.911344
Longitude:	-117.8872272
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/19/2003
Lead Agency:	ORANGE COUNTY LOP

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TOSCO - 76 STATION # 6356 (Continued) **S101631275**

Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083002640T
LOC Case Number:	95UT008
File Location:	Local Agency Warehouse
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605901835
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0605901835
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Status History:

Global Id:	T0605901835
Status:	Completed - Case Closed
Status Date:	03/19/2003

Global Id:	T0605901835
Status:	Open - Case Begin Date
Status Date:	11/14/1994

Regulatory Activities:

Global Id:	T0605901835
Action Type:	Other
Date:	11/14/1994
Action:	Leak Discovery

Global Id:	T0605901835
Action Type:	ENFORCEMENT
Date:	03/19/2003
Action:	Closure/No Further Action Letter

Global Id:	T0605901835
Action Type:	Other
Date:	11/14/1994
Action:	Leak Reported

DRAFT

TOSCO - 76 STATION # 6356 (Continued) **S101631275**

CA FID UST:
- Facility ID: 30011434
- Regulated By: UTNKA
- Regulated ID: Not reported
- Cortese Code: Not reported
- SIC Code: Not reported
- Facility Phone: 7145292171
- Mail To: Not reported
- Mailing Address: 911 WILSHIRE BLVD STE 10
- Mailing Address 2: Not reported
- Mailing City,St,Zip: BREA 92621
- Contact: Not reported
- Contact Phone: Not reported
- DUNs Number: Not reported
- NPDES Number: Not reported
- EPA ID: Not reported
- Comments: Not reported
- Status: Active

B10 **UNOCAL #6356** **UST** **U003938521**
South **1200 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92821**
0.148 mi.
781 ft. **Site 4 of 9 in cluster B**

Relative:
Lower

Actual:
342 ft.

UST:
- Facility ID: 2055
- Permitting Agency: ORANGE COUNTY
- Latitude: 33.9125233
- Longitude: -117.8863843

B11 **BREA CAR CARE CTR** **RCRA-SQG** **1001022982**
South **1200 E IMPERIAL HWY** **FINDS** **CAR000003269**
1/8-1/4 **BREA, CA 92821**
0.148 mi.
781 ft. **Site 5 of 9 in cluster B**

Relative:
Lower

Actual:
342 ft.

RCRA-SQG:
- Date form received by agency: 06/06/1995
- Facility name: BREA CAR CARE CTR
- Facility address: 1200 E IMPERIAL HWY
  BREA, CA 92821
- EPA ID: CAR000003269
- Contact: JERRY CRANDALL
- Contact address: 1200 E IMPERIAL HWY
  BREA, CA 92621
- Contact country: US
- Contact telephone: (714) 529-2172
- Contact email: Not reported
- EPA Region: 09
- Classification: Small Small Quantity Generator
- Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

DRAFT

BREA CAR CARE CTR (Continued) **1001022982**

Owner/Operator Summary:
- Owner/operator name: UNION OIL CO
- Owner/operator address: 2929 E IMPERIAL
  BREA, CA 92621
- Owner/operator country: Not reported
- Owner/operator telephone: (714) 572-7004
- Legal status: Private
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110006485366

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

B12 **UNOCAL SERVICE STATION #6356** **LUST** **S113040618**
South **1200 EAST IMPERIAL HIGHWAY** **HAZNET** **N/A**
1/8-1/4 **BREA, CA 92621**
0.148 mi.
781 ft. **Site 6 of 9 in cluster B**

Relative:
Lower

Actual:
342 ft.

ORANGE CO. LUST:
- Region: ORANGE
- Facility Id: 95UT008
- Current Status: Certification (Case Closed)
- Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
- Date Closed: 03/19/2003
- Case Type: Other Ground Water
- Record ID: RO0001438

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UNOCAL SERVICE STATION #6356 (Continued) **S113040618**

HAZNET:

envid:	S113040618
Year:	1998
GEPAID:	CAL000046628
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAD099452708
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Transfer Station
Tons:	.4044
Facility County:	Orange

envid:	S113040618
Year:	1996
GEPAID:	CAL000046628
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Transfer Station
Tons:	.8340
Facility County:	Orange

envid:	S113040618
Year:	1996
GEPAID:	CAL000046628
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	.4795
Facility County:	Orange

envid:	S113040618
Year:	1995
GEPAID:	CAL000046628
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376

DRAFT

UNOCAL SERVICE STATION #6356 (Continued) **S113040618**

Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	.4170
Facility County:	Orange
envid:	S113040618
Year:	1994
GEPAID:	CAL000046628
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Not reported
Tons:	2.6062
Facility County:	Orange

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

B13 **STATION # 6356** **HIST UST** **U001576742**
South **1200 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92621**
0.148 mi.
781 ft. **Site 7 of 9 in cluster B**

Relative:
Lower

Actual:
342 ft.

HIST UST:

Region:	STATE
Facility ID:	00000043774
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	NASSER FIROUZNAM
Telephone:	7145292171
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	1450 FRAZEE ROAD
Owner City,St,Zip:	SAN DIEGO, CA 92108
Total Tanks:	0001
Tank Num:	001
Container Num:	6356-00
Year Installed:	1975
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual

DRAFT

B14 **UNOCAL #6356** **SWEEPS UST** **U003982001**
South **1200 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92621**
0.148 mi.
781 ft. **Site 8 of 9 in cluster B**

Relative:
Lower

Actual:
342 ft.

SWEEPS UST:

Status:	Active
Comp Number:	2055
Number:	9
Board Of Equalization:	44-001057
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002055-000005
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2055
Number:	9
Board Of Equalization:	44-001057
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002055-000001
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	P
Content:	Not reported
Number Of Tanks:	3

Status:	Active
Comp Number:	2055
Number:	9
Board Of Equalization:	44-001057
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002055-000004
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

DRAFT

B15 **TOSCO - 76 STATION # 6356** **LUST** **S105181191**
South **1200 IMPERIAL** **N/A**
1/8-1/4 **BREA, CA 92621**
0.150 mi.
792 ft. **Site 9 of 9 in cluster B**

Relative:
Lower

Actual:
343 ft.

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083002640T
Local Case Num:	95UT008
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	AG
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901835
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	11/14/1994
Enforcement Date:	Not reported
Close Date:	3/19/2003
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.911344
Longitude:	-117.8872272
MTBE Date:	1/18/2002
Max MTBE GW:	11
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	NOM
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN

DRAFT

TOSCO - 76 STATION # 6356 (Continued) **S105181191**

Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

C16 **EDR US Hist Cleaners** **1014973078**
SW **1080 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92821**
0.160 mi.
844 ft. **Site 1 of 5 in cluster C**

Relative:
Lower

Actual:
322 ft.

EDR Historical Cleaners:

Name:	WILD WEST CLEANERS
Year:	2001
Address:	1080 E IMPERIAL HWY
Name:	WILD WEST CLEANERS
Year:	2004
Address:	1080 E IMPERIAL HWY
Name:	WILD WEST CLEANERS
Year:	2005
Address:	1080 E IMPERIAL HWY
Name:	WILD WEST CLEANERS
Year:	2006
Address:	1080 E IMPERIAL HWY
Name:	WILD WEST CLEANERS
Year:	2010
Address:	1080 E IMPERIAL HWY
Name:	WILD WEST CLEANERS
Year:	2011
Address:	1080 E IMPERIAL HWY
Name:	WILD WEST CLEANERS
Year:	2012
Address:	1080 E IMPERIAL HWY

C17 **WILD WEST CLEANERS** **Orange Co. Industrial Site** **S103995870**
SW **1080 E IMPERIAL HWY SUITE E-2** **DRYCLEANERS** **N/A**
1/8-1/4 **BREA, CA 92621**
0.160 mi.
844 ft. **Site 2 of 5 in cluster C**

Relative:
Lower

Actual:
322 ft.

Orange Co. Industrial Site:

Case ID:	12IC012
Region:	ORANGE
Record ID:	RO0003589
Current Status:	CLOSED 4/29/2013
Closure Type:	Closure certification issued
Released Chemical:	Not reported

DRYCLEANERS:

EPA Id:	CAL000036744

DRAFT

WILD WEST CLEANERS (Continued) **S103995870**

NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	08/01/1990
Facility Active:	No
Inactive Date:	06/30/2013
Facility Addr2:	Not reported
Owner Name:	TAE HONG CHOI
Owner Address:	3906 TERMINO PL
Owner Address 2:	Not reported
Owner Telephone:	7145292929
Contact Name:	TAI HONG CHOI
Contact Address:	3906 TERMINO PL
Contact Address 2:	Not reported
Contact Telephone:	7148706350
Mailing Name:	Not reported
Mailing Address 1:	1080 E IMPERIAL HWY STE E-2
Mailing Address 2:	Not reported
Mailing City:	BREA
Mailing State:	CA
Mailing Zip:	928215614
Owner Fax:	Not reported
Region Code:	0000000000

D18 **CITY OF BREA** **LUST** **S105032950**
NNE **1 CIVIC CENTER** **N/A**
1/8-1/4 **BREA, CA 92621**
0.162 mi.
855 ft. **Site 1 of 2 in cluster D**

Relative:
Lower

Actual:
362 ft.

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000772T
Local Case Num:	87UT262
Case Type:	Other ground water affected
Substance:	Diesel
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900611
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	12/22/1987
Enforcement Date:	Not reported
Close Date:	7/31/1991
Date Prelim Assessment Workplan Submitted:	Not reported

DRAFT

CITY OF BREA (Continued) **S105032950**

Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9175309
Longitude:	-117.8867663
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	RS
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

D19 **BREA CITY OF** **CA FID UST** **S101589555**
NNE **1 CIVIC CENTER CL** **SWEEPS UST** **N/A**
1/8-1/4 **BREA, CA 92621**
0.162 mi.
855 ft. **Site 2 of 2 in cluster D**

Relative:
Lower

Actual:
362 ft.

CA FID UST:

Facility ID:	30017536
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7149907789
Mail To:	Not reported
Mailing Address:	1 CIVIC CENTER CIR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BREA 92621
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

DRAFT

BREA CITY OF (Continued) **S101589555**

Status:	Active
Comp Number:	6293
Number:	9
Board Of Equalization:	Not reported
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-006293-000005
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	1

C20 **CALIFORNIA CLEANERS** **RCRA-SQG** **1000819648**
WSW **1027 E IMPERIAL HWY** **CAD983656430**
1/8-1/4 **BREA, CA 92821**
0.166 mi.
879 ft. **Site 3 of 5 in cluster C**

Relative:
Lower

Actual:
324 ft.

RCRA-SQG:

Date form received by agency:	01/06/1993
Facility name:	CALIFORNIA CLEANERS
Facility address:	1027 E IMPERIAL HWY BREA, CA 92821
EPA ID:	CAD983656430
Contact:	IN FIALA
Contact address:	1027 E IMPERIAL BREA, CA 92621
Contact country:	US
Contact telephone:	(714) 671-2013
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	IN FIALA
Owner/operator address:	1027 E IMPERIAL BREA, CA 92621
Owner/operator country:	Not reported
Owner/operator telephone:	(714) 671-2013
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

DRAFT

CALIFORNIA CLEANERS (Continued) **1000819648**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

C21 **EDR US Hist Cleaners** **1014969394**
WSW **1027 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92821**
0.166 mi.
879 ft. **Site 4 of 5 in cluster C**

Relative:
Lower

Actual:
324 ft.

EDR Historical Cleaners:

Name:	CALIFORNIA CLEANERS
Year:	2001
Address:	1027 E IMPERIAL HWY
Name:	CALIFORNIA CLEANERS
Year:	2004
Address:	1027 E IMPERIAL HWY
Name:	CALIFORNIA CLEANERS
Year:	2005
Address:	1027 E IMPERIAL HWY
Name:	CALIFORNIA CLEANERS
Year:	2006
Address:	1027 E IMPERIAL HWY
Name:	CALIFORNIA CLEANERS
Year:	2010
Address:	1027 E IMPERIAL HWY
Name:	CALIFORNIA CLEANERS
Year:	2011
Address:	1027 E IMPERIAL HWY
Name:	CALIFORNIA CLEANERS
Year:	2012
Address:	1027 E IMPERIAL HWY

DRAFT

C22
WSW
1/8-1/4
0.166 mi.
879 ft.

CALIFORNIA CLEANERS
1027 E IMPERIAL HWY STE D1
BREA, CA 92821

Site 5 of 5 in cluster C

DRYCLEANERS **S106858401**
N/A

Relative:
Lower

Actual:
324 ft.

DRYCLEANERS:

EPA Id:	CAD983656430
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	01/06/1993
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Owner Name:	JOON MO BANG
Owner Address:	1915 WHITE STAR DR
Owner Address 2:	Not reported
Owner Telephone:	9098169711
Contact Name:	JOON BANG
Contact Address:	1027 E IMPERIAL HWY STE D1
Contact Address 2:	Not reported
Contact Telephone:	7146712013
Mailing Name:	Not reported
Mailing Address 1:	1027 E IMPERIAL HWY STE D1
Mailing Address 2:	Not reported
Mailing City:	BREA
Mailing State:	CA
Mailing Zip:	928215620
Owner Fax:	Not reported
Region Code:	0000000000

E23
East
1/8-1/4
0.171 mi.
902 ft.

2013 BREA MALL
BREA, CA 92821

Site 1 of 2 in cluster E

EDR US Hist Auto Stat **1015306501**
N/A

Relative:
Lower

Actual:
332 ft.

EDR Historical Auto Stations:

Name:	BODY SHOP THE
Year:	1999
Address:	2013 BREA MALL
Name:	BODY SHOP
Year:	2002
Address:	2013 BREA MALL

24
ESE
1/8-1/4
0.174 mi.
917 ft.

KITS CAMERAS 1 HOUR NO 118
2048 BREA MALL
BREA, CA 92821

RCRA-SQG **1000856948**
FINDS **CA0000009530**

Relative:
Lower

Actual:
322 ft.

RCRA-SQG:

Date form received by agency:	03/24/1998
Facility name:	KITS CAMERAS 1 HOUR NO 118
Facility address:	2048 BREA MALL

DRAFT

KITS CAMERAS 1 HOUR NO 118 (Continued) **1000856948**

BREA, CA 92821
EPA ID: CA0000009530
Mailing address: 6711 RITZ WY
BELTSVILLE, MD 20705
Contact: TOM KELLY
Contact address: 6711 RITZ WY
BELTSVILLE, MD 20705
Contact country: US
Contact telephone: (301) 419-0000
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: RITZ CAMERA CENTERS INC
Owner/operator address: 6711 RITZ WY
BELTSVILLE, MD 20705
Owner/operator country: Not reported
Owner/operator telephone: (301) 419-0000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D011
. Waste name: SILVER

Historical Generators:
Date form received by agency: 09/27/1993
Site name: KITS CAMERAS 1 HOUR NO 118
Classification: Small Quantity Generator

DRAFT

KITS CAMERAS 1 HOUR NO 118 (Continued) **1000856948**

Violation Status: No violations found

FINDS:

Registry ID: 110006465565

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

E25 **EXPRESSLY PORTRAITS INC** **RCRA-SQG** **1000820597**
East **2002 BREA MALL** **FINDS** **CAD983666611**
1/8-1/4 **BREA, CA 92821**
0.175 mi.
924 ft. **Site 2 of 2 in cluster E**

Relative:
Lower

Actual:
330 ft.

RCRA-SQG:
Date form received by agency: 05/03/1993
Facility name: EXPRESSLY PORTRAITS INC
Facility address: 2002 BREA MALL
BREA, CA 92821
EPA ID: CAD983666611
Contact: MEL ORCHARD
Contact address: 1151 TRITON DR STE C
FOSTER CITY, CA 94404
Contact country: US
Contact telephone: (415) 578-9291
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: EXPRESSLY PORTRAITS INC
Owner/operator address: 1151 TRITON DR STE C
FOSTER CITY, CA 94404
Owner/operator country: Not reported
Owner/operator telephone: (415) 578-9291
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No

DRAFT

EXPRESSLY PORTRAITS INC (Continued) **1000820597**

Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110006484811

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

26
North
1/8-1/4
0.183 mi.
968 ft.

Relative:
Lower

Actual:
364 ft.

TARGET STORE T2482 **RCRA-SQG 1014465412**
855 E BIRCH ST **FINDS CAR000218826**
BREA, CA 92821

RCRA-SQG:

Date form received by agency:	03/01/2014
Facility name:	TARGET STORE T2482
Facility address:	855 E BIRCH ST BREA, CA 928215769
EPA ID:	CAR000218826
Mailing address:	P.O. BOX 111 MINNEAPOLIS, MN 55440
Contact:	STEVE MUSSER
Contact address:	P.O. BOX 111 MINNEAPOLIS, MN 55440
Contact country:	Not reported
Contact telephone:	(800) 587-2228
Contact email:	POC@TARGET.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	TARGET CORPORATION
Owner/operator address:	P.O. BOX 111

DRAFT

TARGET STORE T2482 (Continued) **1014465412**

MINNEAPOLIS, MN 55440
Owner/operator country: Not reported
Owner/operator telephone: (800) 587-2228
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/11/2009
Owner/Op end date: Not reported

Owner/operator name: TARGET CORP
Owner/operator address: PO BOX 111
MINNEAPOLIS, MN 55440
Owner/operator country: US
Owner/operator telephone: 800-587-2228
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/07/2009
Owner/Op end date: Not reported

Owner/operator name: TARGET CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/11/2009
Owner/Op end date: Not reported

Owner/operator name: TARGET CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/07/2009
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

DRAFT

TARGET STORE T2482 (Continued) **1014465412**

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P042
. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

DRAFT

TARGET STORE T2482 (Continued) **1014465412**

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: P081
. Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U058
. Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

. Waste code: U072
. Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U129
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

. Waste code: U150
. Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U200
. Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

. Waste code: U201
. Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Historical Generators:
Date form received by agency: 04/11/2011
Site name: TARGET STORE NO 2482
Classification: Small Quantity Generator

DRAFT

TARGET STORE T2482 (Continued) **1014465412**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P046
. Waste name: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA, ALPHA-DIMETHYL-

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Violation Status: No violations found

FINDS:

Registry ID: 110055792101

Environmental Interest/Information System
STATE MASTER

F27 **CITY OF BREA** **HIST CORTESE** **U001576724**
NNW **1 CIVIC CENTER CIR** **LUST** **N/A**
1/8-1/4 **BREA, CA 92621** **HIST UST**
0.192 mi.
1014 ft. **Site 1 of 2 in cluster F**

Relative:
Lower

Actual:
364 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083000772T

Region: CORTESE
Facility County Code: 30

DRAFT

CITY OF BREA (Continued) **U001576724**

Reg By: LTNKA
Reg Id: 083001373T

LUST:
Region: STATE
Global Id: T0605900611
Latitude: 33.9175309
Longitude: -117.8867663
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/31/1991
Lead Agency: ORANGE COUNTY LOP
Case Worker: TE
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083000772T
LOC Case Number: 87UT262
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0605900611
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rscott@waterboards.ca.gov
Phone Number: 9513206375

Global Id: T0605900611
Contact Type: Local Agency Caseworker
Contact Name: TAMARA ESCOBEDO
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: tescobedo@ochca.com
Phone Number: 7144336251

Status History:
Global Id: T0605900611
Status: Open - Case Begin Date
Status Date: 12/22/1987

Global Id: T0605900611
Status: Completed - Case Closed
Status Date: 07/31/1991

Regulatory Activities:
Global Id: T0605900611
Action Type: Other
Date: 12/22/1987
Action: Leak Discovery

DRAFT

CITY OF BREA (Continued) **U001576724**

Global Id: T0605900611
Action Type: Other
Date: 12/22/1987
Action: Leak Reported

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 87UT262
Current Status: Certification (Case Closed)
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 07/31/1991
Case Type: Other Ground Water
Record ID: RO0002520

HIST UST:
Region: STATE
Facility ID: 00000006701
Facility Type: Other
Other Type: LOCAL GOVERMENT
Contact Name: ED WOHLENBERG
Telephone: 7149907600
Owner Name: CITY OF BREA
Owner Address: #1 CIVIC CENTER CIR
Owner City,St,Zip: BREA, CA 92621
Total Tanks: 0001

Tank Num: 001
Container Num: LAFD1670
Year Installed: 1979
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

F28 **CITY OF BREA** **UST** **U003659621**
NNW **1 CIVIC CENTER CIR** **N/A**
1/8-1/4 **BREA, CA 92821**
0.192 mi.
1014 ft. **Site 2 of 2 in cluster F**

Relative:
Lower

Actual:
364 ft.

UST:
Facility ID: 6293
Permitting Agency: ORANGE COUNTY
Latitude: 33.91719
Longitude: -117.88627

ORANGE CO. UST:
Facility ID: FA0024206

Facility ID: FA0056624

DRAFT

G29 **MIDAS MUFFLER** **RCRA-SQG** **1000595394**
WSW **903 E IMPERIAL HWY** **FINDS** **CAD983593302**
1/8-1/4 **BREA, CA 92821**
0.210 mi.
1111 ft. **Site 1 of 7 in cluster G**

Relative:
Lower

Actual:
341 ft.

RCRA-SQG:

Date form received by agency:	07/22/1991
Facility name:	MIDAS MUFFLER
Facility address:	903 E IMPERIAL HWY BREA, CA 92821
EPA ID:	CAD983593302
Contact:	CORLESS JOAN
Contact address:	903 E IMPERIAL HWY BREA, CA 92621
Contact country:	US
Contact telephone:	(714) 990-2333
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	R&J CORLESS INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No

DRAFT

MIDAS MUFFLER (Continued) **1000595394**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110006481618

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

G30 **EDR US Hist Auto Stat** **1015668908**
WSW **903 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92821**
0.210 mi.
1111 ft. **Site 2 of 7 in cluster G**

Relative:
Lower

Actual:
341 ft.

EDR Historical Auto Stations:
Name: MIDAS MUFFLER SHOPS
Year: 1999
Address: 903 E IMPERIAL HWY

Name: MIDAS MUFFLER SHOPS
Year: 2001
Address: 903 E IMPERIAL HWY

Name: MIDAS COMPLETE AUTO SERVICE EXPERTS
Year: 2007
Address: 903 E IMPERIAL HWY

Name: MIDAS COMPLETE AUTO SERVICE EXPERTS
Year: 2008
Address: 903 E IMPERIAL HWY

G31 **FIRESTONE** **HIST CORTESE** **S102429983**
WSW **891 IMPERIAL HWY** **LUST** **N/A**
1/8-1/4 **BREA, CA 92621**
0.219 mi.
1156 ft. **Site 3 of 7 in cluster G**

Relative:
Lower

Actual:
343 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083002770T

DRAFT

FIRESTONE (Continued) **S102429983**

LUST:

Region:	STATE
Global Id:	T0605901910
Latitude:	33.913704
Longitude:	-117.892085
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	11/07/1995
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083002770T
LOC Case Number:	95UT010
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel, Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605901910
Contact Type:	Regional Board Caseworker
Contact Name:	ROSE SCOTT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	rscott@waterboards.ca.gov
Phone Number:	9513206375

Global Id:	T0605901910
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Status History:

Global Id:	T0605901910
Status:	Open - Case Begin Date
Status Date:	12/01/1994

Global Id:	T0605901910
Status:	Completed - Case Closed
Status Date:	11/07/1995

Regulatory Activities:

Global Id:	T0605901910
Action Type:	Other
Date:	12/01/1994
Action:	Leak Discovery

Global Id:	T0605901910
Action Type:	Other

DRAFT

FIRESTONE (Continued) **S102429983**

Date: 12/01/1994
Action: Leak Reported

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 95UT010
Current Status: Certification (Case Closed)
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 11/07/1995
Case Type: Soil Only
Record ID: RO0001161

Region: ORANGE
Facility Id: 95UT010
Current Status: Certification (Case Closed)
Released Substance: Waste oil/Used oil
Date Closed: 11/07/1995
Case Type: Soil Only
Record ID: RO0001161

LUST REG 8:
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083002770T
Local Case Num: 95UT010
Case Type: Soil only
Substance: 12034,12035
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Leak Cause: Unknown
Leak Source: Unknown
Global ID: T0605901910
How Stopped Date: 9/9/9999
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: 12/1/1994
Enforcement Date: Not reported
Close Date: 11/7/1995
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported

DRAFT

FIRESTONE (Continued) **S102429983**

Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9135159
Longitude:	-117.8917734
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	RS
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

G32 **FIRESTONE TIRE AND RUBBER** **CA FID UST** **S101589342**
WSW **891 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92621**
0.219 mi.
1156 ft. **Site 4 of 7 in cluster G**

Relative:
Lower

Actual:
343 ft.

CA FID UST:

Facility ID:	30007380
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7145298404
Mail To:	Not reported
Mailing Address:	1200 FIRESTONE PKY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BREA 92621
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

DRAFT

G33 **EDR US Hist Auto Stat** **1015664078**
WSW **891 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92821**
0.219 mi.
1156 ft. **Site 5 of 7 in cluster G**

Relative: **Lower**

Actual: **343 ft.**

EDR Historical Auto Stations:

Name:	FIRESTONE TIRE & SERVICE CNTR
Year:	2003
Address:	891 E IMPERIAL HWY
Name:	FIRESTONE TIRE & SERVICE CENTERS
Year:	2008
Address:	891 E IMPERIAL HWY
Name:	FIRESTONE COMPLETE AUTO CARE
Year:	2010
Address:	891 E IMPERIAL HWY
Name:	FIRESTONE COMPLETE AUTO CARE ANAHEIM
Year:	2011
Address:	891 E IMPERIAL HWY

G34 **FIRESTONE TIRE AND RUBBER** **UST** **U004186708**
WSW **891 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92821**
0.219 mi.
1156 ft. **Site 6 of 7 in cluster G**

Relative: **Lower**

Actual: **343 ft.**

UST:

Facility ID:	4065
Permitting Agency:	ORANGE COUNTY
Latitude:	33.9151355
Longitude:	-117.8908418

G35 **FIRESTONE STORES OF BREA INC.** **HIST UST** **1000222934**
WSW **891 E IMPERIAL HWY** **N/A**
1/8-1/4 **BREA, CA 92621**
0.219 mi.
1156 ft. **Site 7 of 7 in cluster G**

Relative: **Lower**

Actual: **343 ft.**

HIST UST:

Region:	STATE
Facility ID:	00000031764
Facility Type:	Other
Other Type:	AUTO SERVICE CENTER
Contact Name:	REX M. WEISSENBACH
Telephone:	7145298404
Owner Name:	FIRESTONE TIRE AND RUBBER CO.
Owner Address:	1200 FIRESTONE PARKWAY
Owner City,St,Zip:	AKRON, OH 44317
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE

DRAFT

FIRESTONE STORES OF BREA INC. (Continued) **1000222934**

Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

H36 **U S POST OFFICE** **UST** **U003783771**
NW **700 E BIRCH ST** **N/A**
1/8-1/4 **BREA, CA 92822**
0.224 mi.
1183 ft. **Site 1 of 2 in cluster H**

Relative:
Lower

Actual:
360 ft.

UST:
Facility ID: 6291
Permitting Agency: ORANGE COUNTY
Latitude: 33.9184984
Longitude: -117.8892389

H37 **USPS BREA POST OFFICE** **RCRA-SQG** **1000143087**
NW **700 E BIRCH ST** **FINDS** **CA1180090465**
1/8-1/4 **BREA, CA 92822** **HIST CORTESE**
0.224 mi. **LUST**
1183 ft. **Site 2 of 2 in cluster H** **HIST UST**

Relative:
Lower

Actual:
360 ft.

RCRA-SQG:
Date form received by agency: 06/02/1988
Facility name: USPS BREA POST OFFICE
Facility address: 700 E BIRCH ST
BREA, CA 92822
EPA ID: CA1180090465
Contact: ENVIRONMENTAL MANAGER
Contact address: 700 E BIRCH
BREA, CA 92621
Contact country: US
Contact telephone: (714) 848-9994
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: US POSTAL SETVICE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

DRAFT

USPS BREA POST OFFICE (Continued) **1000143087**

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110006365806

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083000070T

LUST:
Region: STATE
Global Id: T0605902223
Latitude: 33.9174029
Longitude: -117.8904574
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/06/2002
Lead Agency: ORANGE COUNTY LOP
Case Worker: TE
Local Agency: ORANGE COUNTY LOP

DRAFT

USPS BREA POST OFFICE (Continued) **1000143087**

RB Case Number: 083003314T
LOC Case Number: 98UT095
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0605902223
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: vjahn-bull@waterboards.ca.gov
Phone Number: 9517824903

Global Id: T0605902223
Contact Type: Local Agency Caseworker
Contact Name: TAMARA ESCOBEDO
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: tescobedo@ochca.com
Phone Number: 7144336251

Status History:
Global Id: T0605902223
Status: Completed - Case Closed
Status Date: 09/06/2002

Global Id: T0605902223
Status: Open - Case Begin Date
Status Date: 11/20/1998

Regulatory Activities:
Global Id: T0605902223
Action Type: Other
Date: 11/20/1998
Action: Leak Discovery

Global Id: T0605902223
Action Type: REMEDIATION
Date: 12/03/2001
Action: Excavation

Global Id: T0605902223
Action Type: ENFORCEMENT
Date: 05/09/2002
Action: LOP Case Closure Summary to RB

Global Id: T0605902223
Action Type: Other
Date: 11/20/1998
Action: Leak Reported

DRAFT

USPS BREA POST OFFICE (Continued) **1000143087**

Region:	STATE
Global Id:	T0605900055
Latitude:	33.917097
Longitude:	-117.890479
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/16/1990
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083000070T
LOC Case Number:	89UT120
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605900055
Contact Type:	Regional Board Caseworker
Contact Name:	PATRICIA HANNON
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	phannon@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0605900055
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Status History:

Global Id:	T0605900055
Status:	Open - Case Begin Date
Status Date:	06/19/1989

Global Id:	T0605900055
Status:	Completed - Case Closed
Status Date:	01/16/1990

Regulatory Activities:

Global Id:	T0605900055
Action Type:	Other
Date:	06/19/1989
Action:	Leak Discovery

Global Id:	T0605900055
Action Type:	Other
Date:	06/19/1989
Action:	Leak Reported

DRAFT

USPS BREA POST OFFICE (Continued) **1000143087**

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	98UT095
Current Status:	Certification (Case Closed)
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	09/06/2002
Case Type:	Other Ground Water
Record ID:	RO0000947

Region:	ORANGE
Facility Id:	89UT120
Current Status:	Certification (Case Closed)
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	01/16/1990
Case Type:	Soil Only
Record ID:	RO0001980

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000070T
Local Case Num:	89UT120
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900055
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	6/19/1989
Enforcement Date:	Not reported
Close Date:	1/16/1990
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9174029

DRAFT

USPS BREA POST OFFICE (Continued) **1000143087**

Longitude:	-117.8904574
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	PAH
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083003314T
Local Case Num:	98UT095
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605902223
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	11/20/1998
Enforcement Date:	Not reported
Close Date:	9/6/2002
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9174029

DRAFT

USPS BREA POST OFFICE (Continued) **1000143087**

Longitude:	-117.8904574
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

HIST UST:

Region:	STATE
Facility ID:	00000052239
Facility Type:	Other
Other Type:	MAIL
Contact Name:	PHIL REPCHINUCK
Telephone:	7145293000
Owner Name:	U.S. POSTAL SERVICE
Owner Address:	3101 W. SUNFLOWER
Owner City,St,Zip:	SANTA ANA, CA 92799
Total Tanks:	0001
Tank Num:	001
Container Num:	UL #49172
Year Installed:	1979
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

I38 **HOLMES BUILDING** **HIST UST** **U001576729**
SSW **405 S STATE COLLEGE BLVD** **N/A**
1/8-1/4 **BREA, CA 92621**
0.231 mi.
1219 ft. **Site 1 of 4 in cluster I**

Relative:
Lower

Actual:
337 ft.

HIST UST:

Region:	STATE
Facility ID:	00000019351
Facility Type:	Other
Other Type:	OFFICE
Contact Name:	Not reported
Telephone:	2135921545
Owner Name:	CHARLES BARTOLLINI
Owner Address:	405 SOUTH STATE COLLEGE BLVD
Owner City,St,Zip:	BREA, CA 92621
Total Tanks:	0001

DRAFT

HOLMES BUILDING (Continued) **U001576729**

Tank Num:	001
Container Num:	1
Year Installed:	1975
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	.250
Leak Detection:	Stock Inventor

I39 **BERTOLLINI BUILDING** **RCRA-SQG** **1000415505**
SSW **405 S STATE COLLEGE STE 103** **FINDS** **CAD981573173**
1/8-1/4 **BREA, CA 92821** **HIST CORTESE**
0.231 mi. **LUST**
1219 ft. **Site 2 of 4 in cluster I** **CA FID UST**
SWEEPS UST

Relative:
Lower

Actual:
337 ft.

RCRA-SQG:

Date form received by agency:	09/09/1986
Facility name:	BERTOLLINI BUILDING
Facility address:	405 S STATE COLLEGE STE 103 BREA, CA 92821
EPA ID:	CAD981573173
Contact:	ENVIRONMENTAL MANAGER
Contact address:	405 S STATE COLLEGE STE 103 BREA, CA 92621
Contact country:	US
Contact telephone:	(714) 671-0200
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CHARLES & SUSAN BERTOLLINI
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

DRAFT

BERTOLLINI BUILDING (Continued) **1000415505**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110006471353

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083002304T

LUST:
Region: STATE
Global Id: T0605901678
Latitude: 33.9253975
Longitude: -117.8827009
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/06/1997
Lead Agency: ORANGE COUNTY LOP
Case Worker: TE
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083002304T
LOC Case Number: 93UT037
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

DRAFT

BERTOLLINI BUILDING (Continued) **1000415505**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605901678
Contact Type:	Regional Board Caseworker
Contact Name:	VALERIE JAHN-BULL
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	vjahn-bull@waterboards.ca.gov
Phone Number:	9517824903

Global Id:	T0605901678
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Status History:

Global Id:	T0605901678
Status:	Completed - Case Closed
Status Date:	02/06/1997

Global Id:	T0605901678
Status:	Open - Case Begin Date
Status Date:	05/03/1993

Regulatory Activities:

Global Id:	T0605901678
Action Type:	Other
Date:	05/03/1993
Action:	Leak Discovery

Global Id:	T0605901678
Action Type:	REMEDIATION
Date:	05/07/1996
Action:	Not reported

Global Id:	T0605901678
Action Type:	Other
Date:	05/03/1993
Action:	Leak Reported

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	93UT037
Current Status:	Certification (Case Closed)
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	02/06/1997
Case Type:	Other Ground Water
Record ID:	RO0001845

DRAFT

BERTOLLINI BUILDING (Continued) **1000415505**

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083002304T
Local Case Num:	93UT037
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901678
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	5/3/1993
Enforcement Date:	Not reported
Close Date:	2/6/1997
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.909809
Longitude:	-117.8890892
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

DRAFT

BERTOLLINI BUILDING (Continued) **1000415505**

CA FID UST:
Facility ID: 30005515
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146710200
Mail To: Not reported
Mailing Address: 405 S ST COLLEGE
Mailing Address 2: Not reported
Mailing City,St,Zip: BREA 92621
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: Active
Comp Number: 4082
Number: 9
Board Of Equalization: Not reported
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

I40 **BERTOLLINI BLDG** **UST** **U003713594**
SSW **405 S STATE COLLEGE BLVD** **N/A**
1/8-1/4 **BREA, CA 92821**
0.231 mi.
1219 ft. **Site 3 of 4 in cluster I**

Relative:
Lower

Actual:
337 ft.

UST:
Facility ID: 4082
Permitting Agency: ORANGE COUNTY
Latitude: 33.9116474
Longitude: -117.8877549

DRAFT

I41
SSW
1/8-1/4
0.234 mi.
1237 ft.

405 S STATE COLLEGE BLVD
BREA, CA 92821

Site 4 of 4 in cluster I

EDR US Hist Auto Stat **1015474996**
N/A

Relative:
Lower

Actual:
334 ft.

EDR Historical Auto Stations:
Name: DAVINCI AUTO DETAIL
Year: 2001
Address: 405 S STATE COLLEGE BLVD

J42
NNE
1/8-1/4
0.235 mi.
1242 ft.

975 E BIRCH ST
BREA, CA 92821

Site 1 of 2 in cluster J

EDR US Hist Cleaners **1015109324**
N/A

Relative:
Lower

Actual:
364 ft.

EDR Historical Cleaners:
Name: BREA MARKET PLACE CLEANERS
Year: 2001
Address: 975 E BIRCH ST

Name: BREA MARKETPLACE CLEANERS
Year: 2002
Address: 975 E BIRCH ST

Name: BREA MARKETPLACE CLEANERS
Year: 2004
Address: 975 E BIRCH ST

Name: BREA MARKETPLACE CLEANERS
Year: 2005
Address: 975 E BIRCH ST

Name: BREA MARKETPLACE CLEANERS
Year: 2006
Address: 975 E BIRCH ST

J43
NNE
1/8-1/4
0.235 mi.
1242 ft.

BREA MARKET PLACE CLEANERS
975 E BIRCH ST STE H
BREA, CA 92821

Site 2 of 2 in cluster J

RCRA-SQG **1000593267**
FINDS **CAD982437741**
Orange Co. Industrial Site
DRYCLEANERS
HAZNET

Relative:
Lower

Actual:
364 ft.

RCRA-SQG:
Date form received by agency: 03/20/1991
Facility name: BREA MARKET PLACE CLEANERS
Facility address: 975 E BIRCH ST STE H
BREA, CA 92821
EPA ID: CAD982437741
Contact: ENVIRONMENTAL MANAGER
Contact address: 975 E BIRCH ST STE H
BREA, CA 92621
Contact country: US
Contact telephone: (714) 255-0555
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator

DRAFT

BREA MARKET PLACE CLEANERS (Continued) **1000593267**

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	HAMLET HAROANTIAN
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110006478631

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

DRAFT

BREA MARKET PLACE CLEANERS (Continued) **1000593267**

Orange Co. Industrial Site:
Case ID: 11IC008
Region: ORANGE
Record ID: RO0003560
Current Status: CLOSED 7/6/2012
Closure Type: Closure certification issued
Released Chemical: Not reported

DRYCLEANERS:
EPA Id: CAL000298219
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 09/06/2005
Facility Active: No
Inactive Date: 06/30/2009
Facility Addr2: Not reported
Owner Name: ZHIRAIR NOVRUZYAN
Owner Address: 975 E BIRCH ST STE H
Owner Address 2: Not reported
Owner Telephone: 7142550555
Contact Name: ZHIRAIR NOVRUZYAN
Contact Address: 628 W OLEANDER
Contact Address 2: Not reported
Contact Telephone: 7145292405
Mailing Name: Not reported
Mailing Address 1: 975 E BIRCH ST STE H
Mailing Address 2: Not reported
Mailing City: BREA
Mailing State: CA
Mailing Zip: 928215828
Owner Fax: Not reported
Region Code: Not reported

HAZNET:
envid: 1000593267
Year: 2004
GEPAID: CAD982437741
Contact: MNGR JOHN NOVRUZIAN
Telephone: 7142550555
Mailing Name: Not reported
Mailing Address: 975 E BIRCH ST STE H
Mailing City,St,Zip: BREA, CA 928215828
Gen County: Not reported
TSD EPA ID: IND000646943
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Treatment, Incineration
Tons: 0.22
Facility County: Orange

envid: 1000593267
Year: 2004
GEPAID: CAD982437741
Contact: MNGR JOHN NOVRUZIAN

DRAFT

BREA MARKET PLACE CLEANERS (Continued) **1000593267**

Telephone:	7142550555
Mailing Name:	Not reported
Mailing Address:	975 E BIRCH ST STE H
Mailing City,St,Zip:	BREA, CA 928215828
Gen County:	Not reported
TSD EPA ID:	IND000646943
TSD County:	Not reported
Waste Category:	Solids or sludges with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Recycler
Tons:	0.3
Facility County:	Orange

44
West
1/4-1/2
0.322 mi.
1700 ft.

CHEVRON #9-0786 **LUST S106447502**
700 IMPERIAL HWY **N/A**
BREA, CA 92821

Relative:
Lower

Actual:
356 ft.

LUST:

Region:	STATE
Global Id:	T0605900896
Latitude:	33.9138859
Longitude:	-117.8939625
Case Type:	LUST Cleanup Site
Status:	Open - Assessment & Interim Remedial Action
Status Date:	09/17/2013
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	JW
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083001136T
LOC Case Number:	90UT242
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605900896
Contact Type:	Regional Board Caseworker
Contact Name:	TOM E. MBEKE-EKANEM
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	tmbeke-ekanem@waterboards.ca.gov
Phone Number:	9513202007

Global Id:	T0605900896
Contact Type:	Local Agency Caseworker
Contact Name:	JULIE WOZENCRAFT
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	jwozencraft@ochca.com

DRAFT

CHEVRON #9-0786 (Continued) **S106447502**

Phone Number: 7144336252

Status History:

Global Id: T0605900896
Status: Open - Site Assessment
Status Date: 06/04/2009

Global Id: T0605900896
Status: Open - Assessment & Interim Remedial Action
Status Date: 09/17/2013

Global Id: T0605900896
Status: Open - Verification Monitoring
Status Date: 06/11/2004

Global Id: T0605900896
Status: Open - Verification Monitoring
Status Date: 09/03/2013

Global Id: T0605900896
Status: Open - Case Begin Date
Status Date: 10/26/1990

Global Id: T0605900896
Status: Open - Eligible for Closure
Status Date: 11/27/2012

Global Id: T0605900896
Status: Open - Eligible for Closure
Status Date: 09/17/2013

Global Id: T0605900896
Status: Open - Remediation
Status Date: 09/01/1995

Regulatory Activities:

Global Id: T0605900896
Action Type: RESPONSE
Date: 03/11/2014
Action: Well Installation Workplan - Regulator Responded

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 09/08/2010
Action: File review

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 11/19/2010
Action: File review

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 02/17/2011
Action: Staff Letter

DRAFT

CHEVRON #9-0786 (Continued) **S106447502**

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 06/01/2011
Action: Staff Letter

Global Id: T0605900896
Action Type: Other
Date: 10/26/1990
Action: Leak Discovery

Global Id: T0605900896
Action Type: REMEDIATION
Date: 09/01/1995
Action: Excavation

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 05/23/2011
Action: File review

Global Id: T0605900896
Action Type: Other
Date: 10/26/1990
Action: Leak Stopped

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 06/20/2003
Action: * No Action

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 03/12/2007
Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 06/20/2007
Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 11/16/2006
Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 02/06/2007
Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 11/08/2006
Action: Staff Letter

Global Id: T0605900896
Action Type: Other

DRAFT

CHEVRON #9-0786 (Continued) **S106447502**

Date: 10/26/1990
Action: Leak Reported

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 03/04/2009
Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 04/04/2009
Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Staff Letter

Global Id: T0605900896
Action Type: RESPONSE
Date: 05/15/2007
Action: Soil and Water Investigation Report

Global Id: T0605900896
Action Type: RESPONSE
Date: 07/27/2007
Action: CAP/RAP - Feasibility Study Report

Global Id: T0605900896
Action Type: RESPONSE
Date: 04/30/2007
Action: Soil and Water Investigation Report

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 12/29/2009
Action: Staff Letter

Global Id: T0605900896
Action Type: ENFORCEMENT
Date: 02/13/2014
Action: Staff Letter

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 90UT242
Current Status: Post Remedial Action
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: Not reported
Case Type: Other Ground Water
Record ID: RO0002736

LUST REG 8:
Region: 8
County: Orange

DRAFT

CHEVRON #9-0786 (Continued) **S106447502**

Regional Board:	Santa Ana Region
Facility Status:	Post remedial action monitoring
Case Number:	083001136T
Local Case Num:	90UT242
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	None Taken
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	New Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900896
How Stopped Date:	10/26/1990
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	10/26/1990
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	9/1/1995
Date Post Remedial Action Monitoring:	6/11/2004
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9138859
Longitude:	-117.8939625
MTBE Date:	9/3/2003
Max MTBE GW:	6500
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	TME
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

DRAFT

K45 **FULLERTON LINCOLN MERCURY** **LUST** **S109284385**
SSW **1150 E ELM ST** **N/A**
1/4-1/2 **FULLERTON, CA 92631**
0.388 mi.
2048 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
331 ft.

LUST:

Region:	STATE
Global Id:	T0605901701
Latitude:	33.8790596
Longitude:	-117.8928387
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/25/1999
Lead Agency:	FULLERTON, CITY OF
Case Worker:	SRL
Local Agency:	FULLERTON, CITY OF
RB Case Number:	083002360T
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605901701
Contact Type:	Local Agency Caseworker
Contact Name:	STEPHEN LONG
Organization Name:	FULLERTON, CITY OF
Address:	312 E. COMMONWEALTH AVE.
City:	FULLERTON
Email:	stevel@fullertonfire.org
Phone Number:	7147383160

Global Id:	T0605901701
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0605901701
Status:	Completed - Case Closed
Status Date:	03/25/1999

Global Id:	T0605901701
Status:	Open - Case Begin Date
Status Date:	08/31/1993

Regulatory Activities:

Global Id:	T0605901701
Action Type:	Other
Date:	08/31/1993
Action:	Leak Discovery

DRAFT

FULLERTON LINCOLN MERCURY (Continued) **S109284385**

Global Id: T0605901701
Action Type: Other
Date: 08/31/1993
Action: Leak Stopped

Global Id: T0605901701
Action Type: Other
Date: 11/04/1993
Action: Leak Reported

K46 **S AND H RUBBER, INC.** **HIST CORTESE S105023860**
SSW **1133/1137 E ELM ST** **LUST N/A**
1/4-1/2 **FULLERTON, CA 92631**
0.388 mi.
2048 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
330 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083001118T

LUST:
Region: STATE
Global Id: T0605900881
Latitude: 33.8790596
Longitude: -117.8928387
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/30/1991
Lead Agency: FULLERTON, CITY OF
Case Worker: SRL
Local Agency: FULLERTON, CITY OF
RB Case Number: 083001118T
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0605900881
Contact Type: Local Agency Caseworker
Contact Name: STEPHEN LONG
Organization Name: FULLERTON, CITY OF
Address: 312 E. COMMONWEALTH AVE.
City: FULLERTON
Email: stevel@fullertonfire.org
Phone Number: 7147383160

Global Id: T0605900881
Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500

DRAFT

S AND H RUBBER, INC. (Continued) **S105023860**

City: RIVERSIDE
Email: phannon@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0605900881
Status: Open - Case Begin Date
Status Date: 08/25/1988

Global Id: T0605900881
Status: Open - Site Assessment
Status Date: 01/04/1989

Global Id: T0605900881
Status: Completed - Case Closed
Status Date: 10/30/1991

Regulatory Activities:
Global Id: T0605900881
Action Type: ENFORCEMENT
Date: 10/30/1991
Action: Closure/No Further Action Letter

Global Id: T0605900881
Action Type: Other
Date: 08/25/1988
Action: Leak Discovery

Global Id: T0605900881
Action Type: Other
Date: 12/17/1988
Action: Leak Reported

LUST REG 8:
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083001118T
Local Case Num: Not reported
Case Type: Soil only
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: PACIFIC
Enf Type: CLOS
Funding: Not reported
How Discovered: Not reported
How Stopped: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Global ID: T0605900881
How Stopped Date: Not reported
Enter Date: 1/4/1989
Date Confirmation of Leak Began: Not reported

DRAFT

S AND H RUBBER, INC. (Continued) **S105023860**

Date Preliminary Assessment Began:	Not reported
Discover Date:	8/25/1988
Enforcement Date:	Not reported
Close Date:	10/30/1991
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	1/4/1989
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	1/4/1989
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.8790596
Longitude:	-117.8928387
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	PAH
Staff Initials:	SRL
Lead Agency:	Local Agency
Local Agency:	30013
Hydr Basin #:	COASTAL PLAIN OF ORA
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

L47 **MOBIL #18-793** **LUST S103866491**
SE **2800 E IMPERIAL HWY** **WDS N/A**
1/4-1/2 **FULLERTON, CA 92631**
0.392 mi.
2072 ft. **Site 1 of 4 in cluster L**

Relative:
Lower

Actual:
322 ft.

LUST:

Region:	STATE
Global Id:	T0605901602
Latitude:	33.910623
Longitude:	-117.880753
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/05/2013
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Worker:	RS
Local Agency:	FULLERTON, CITY OF
RB Case Number:	083002163T
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Site History: See Closure Letter Attachment

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605901602
Contact Type:	Regional Board Caseworker
Contact Name:	ROSE SCOTT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	rscott@waterboards.ca.gov
Phone Number:	9513206375

Global Id:	T0605901602
Contact Type:	Local Agency Caseworker
Contact Name:	STEPHEN LONG
Organization Name:	FULLERTON, CITY OF
Address:	312 E. COMMONWEALTH AVE.
City:	FULLERTON
Email:	stevel@fullertonfire.org
Phone Number:	7147383160

Status History:

Global Id:	T0605901602
Status:	Completed - Case Closed
Status Date:	06/05/2013

Global Id:	T0605901602
Status:	Open - Verification Monitoring
Status Date:	10/31/2006

Global Id:	T0605901602
Status:	Open - Case Begin Date
Status Date:	08/20/1992

Global Id:	T0605901602
Status:	Open - Eligible for Closure
Status Date:	09/25/2012

Global Id:	T0605901602
Status:	Open - Remediation
Status Date:	10/15/1998

Global Id:	T0605901602
Status:	Open - Remediation
Status Date:	01/01/1999

Global Id:	T0605901602
Status:	Open - Remediation
Status Date:	07/26/2002

Global Id:	T0605901602
Status:	Open - Remediation
Status Date:	10/15/2002

Global Id: T0605901602

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Status: Open - Remediation
Status Date: 01/15/2003

Global Id: T0605901602
Status: Open - Remediation
Status Date: 07/31/2006

Global Id: T0605901602
Status: Open - Remediation
Status Date: 10/30/2006

Global Id: T0605901602
Status: Open - Site Assessment
Status Date: 03/24/1993

Global Id: T0605901602
Status: Open - Site Assessment
Status Date: 05/22/1995

Global Id: T0605901602
Status: Open - Site Assessment
Status Date: 11/29/2004

Regulatory Activities:
Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 08/24/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 08/27/2004
Action: Staff Letter

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 07/28/2004
Action: Staff Letter

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 04/09/2003
Action: Site Visit / Inspection / Sampling

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 06/18/2001
Action: Staff Letter

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 04/09/2003
Action: * Verbal Communication

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 02/06/2004

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Action: Site Visit / Inspection / Sampling

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 12/16/2004
Action: Staff Letter

Global Id: T0605901602
Action Type: Other
Date: 08/20/1992
Action: Leak Began

Global Id: T0605901602
Action Type: RESPONSE
Date: 09/30/2001
Action: Electronic Reporting Submittal Due

Global Id: T0605901602
Action Type: RESPONSE
Date: 07/30/2002
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 10/30/2002
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 01/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 12/14/2004
Action: Soil and Water Investigation Workplan

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 03/24/2005
Action: Meeting

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 06/07/2005
Action: * No Action

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 11/03/2005
Action: * No Action

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 08/10/2011
Action: Meeting

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Global Id: T0605901602
Action Type: Other
Date: 08/20/1992
Action: Leak Discovery

Global Id: T0605901602
Action Type: RESPONSE
Date: 01/30/2003
Action: Remedial Progress Report

Global Id: T0605901602
Action Type: RESPONSE
Date: 10/30/2002
Action: Remedial Progress Report

Global Id: T0605901602
Action Type: RESPONSE
Date: 07/30/2002
Action: Remedial Progress Report

Global Id: T0605901602
Action Type: RESPONSE
Date: 04/29/2005
Action: Soil and Water Investigation Report

Global Id: T0605901602
Action Type: REMEDIATION
Date: 04/05/2000
Action: Free Product Removal

Global Id: T0605901602
Action Type: REMEDIATION
Date: 09/27/2001
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605901602
Action Type: REMEDIATION
Date: 09/01/1997
Action: Soil Vapor Extraction (SVE)

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 08/05/2005
Action: * No Action

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 10/07/2010
Action: File review

Global Id: T0605901602
Action Type: RESPONSE
Date: 04/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Date: 07/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 10/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 10/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 01/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 08/01/2005
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 07/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 04/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 11/17/2006
Action: Site Visit / Inspection / Sampling

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 11/21/2006
Action: Staff Letter

Global Id: T0605901602
Action Type: Other
Date: 08/20/1992
Action: Leak Stopped

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 08/16/2007
Action: Staff Letter

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 02/14/2012
Action: File Review - Closure

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 12/17/2012
Action: Notification - Preclosure

Global Id: T0605901602
Action Type: RESPONSE
Date: 02/09/2007
Action: Other Workplan

Global Id: T0605901602
Action Type: RESPONSE
Date: 10/31/2005
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 12/31/2007
Action: Staff Letter

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 03/18/2005
Action: * Verbal Communication

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 12/17/2012
Action: Staff Letter

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 06/05/2013
Action: Closure/No Further Action Letter

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 10/09/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901602
Action Type: Other
Date: 08/21/1992
Action: Leak Reported

Global Id: T0605901602
Action Type: RESPONSE
Date: 12/12/2008
Action: Other Report / Document

Global Id: T0605901602
Action Type: RESPONSE
Date: 07/31/2006
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Date: 10/31/2006
Action: Remedial Progress Report

Global Id: T0605901602
Action Type: RESPONSE
Date: 07/31/2006
Action: Remedial Progress Report

Global Id: T0605901602
Action Type: RESPONSE
Date: 01/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 10/31/2006
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 07/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 04/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 10/29/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 07/30/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901602
Action Type: RESPONSE
Date: 12/17/2013
Action: Well Destruction Report

Global Id: T0605901602
Action Type: RESPONSE
Date: 12/17/2013
Action: Well Destruction Report

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 05/13/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 03/07/2003
Action: Site Visit / Inspection / Sampling

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 07/28/2009
Action: Staff Letter

Global Id: T0605901602
Action Type: ENFORCEMENT
Date: 12/10/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901602
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Quarterly

Global Id: T0605901602
Action Type: RESPONSE
Date: 04/30/2010
Action: Monitoring Report - Quarterly

WDS:
Facility ID: Santa Ana River 303184001
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAG918001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 8
Facility Telephone: Not reported
Facility Contact: JOHN MEDRANO
Agency Name: EXXON MOBIL REFINING & SUPPLY
Agency Address: 3700 W 190TH STREET
Agency City,St,Zip: TORRANCE 90509
Agency Contact: JOHN MEDRANO
Agency Telephone: 3102121870
Agency Type: Private
SIC Code: 5541
SIC Code 2: Not reported
Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Primary Waste: CNWTRS
Waste Type2: Not reported
Waste2: Contaminated Ground Water
Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0

DRAFT

MOBIL #18-793 (Continued) **S103866491**

Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

L48 **ARCO #3080** **LUST** **U003976772**
SE **2840 IMPERIAL HWY** **N/A**
1/4-1/2 **FULLERTON, CA 92631**
0.421 mi.
2222 ft. **Site 2 of 4 in cluster L**

Relative:
Lower

Actual:
309 ft.

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Pollution Characterization
Case Number:	083002009T
Local Case Num:	Not reported
Case Type:	Aquifer affected
Substance:	Premium Gasoline
Qty Leaked:	Not reported
Abate Method:	FPVE
Cross Street:	ASSOCIATED
Enf Type:	SEL
Funding:	Not reported
How Discovered:	Tank Test
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0605901500
How Stopped Date:	2/21/1992
Enter Date:	3/11/1992
Date Confirmation of Leak Began:	2/12/1992
Date Preliminary Assessment Began:	Not reported
Discover Date:	2/12/1992
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	3/2/1992
Date Pollution Characterization Began:	1/6/2004
Date Remediation Plan Submitted:	10/24/2002
Date Remedial Action Underway:	10/31/2003
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	3/11/1992
GW Qualifies:	=
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Yes
Oversite Program:	LUST
Latitude:	33.910623

DRAFT

ARCO #3080 (Continued) **U003976772**

Longitude:	-117.880328
MTBE Date:	1/15/2003
Max MTBE GW:	340000
MTBE Concentration:	1
Max MTBE Soil:	43
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	B
Staff:	RS
Staff Initials:	SRL
Lead Agency:	Regional Board
Local Agency:	30013
Hydr Basin #:	COASTAL PLAIN OF ORA
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: A RELEASE OF 3,000 GALLONS OF PRODUCT REPORTED. HIGH LEVELS OF MTBE UP TO 93,000 PPB. 3/4/97- REQUESTED ALL WELLS BE MONITORED BECAUSE OF MTBE

L49 **ARCO FAC #3080** **LUST** **S101589078**
SE **2840 E IMPERIAL HWY** **CA FID UST** **N/A**
1/4-1/2 **FULLERTON, CA 92631** **SWEEPS UST**
0.421 mi.
2223 ft. **Site 3 of 4 in cluster L**

Relative:
Lower

Actual:
309 ft.

LUST:

Region:	STATE
Global Id:	T0605901500
Latitude:	33.910623
Longitude:	-117.880328
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	11/01/2010
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Worker:	RS
Local Agency:	FULLERTON, CITY OF
RB Case Number:	083002009T
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	A catastrophic release of 3,000 gallons of product was reported with high levels of MTBE (up to 93,000 micrograms per liter as of March 1997).

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605901500
Contact Type:	Regional Board Caseworker
Contact Name:	ROSE SCOTT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	rscott@waterboards.ca.gov
Phone Number:	9513206375

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Global Id:	T0605901500
Contact Type:	Local Agency Caseworker
Contact Name:	STEPHEN LONG
Organization Name:	FULLERTON, CITY OF
Address:	312 E. COMMONWEALTH AVE.
City:	FULLERTON
Email:	stevel@fullertonfire.org
Phone Number:	7147383160

Status History:

Global Id:	T0605901500
Status:	Open - Case Begin Date
Status Date:	02/12/1992
Global Id:	T0605901500
Status:	Open - Remediation
Status Date:	02/09/1996
Global Id:	T0605901500
Status:	Open - Remediation
Status Date:	10/24/2002
Global Id:	T0605901500
Status:	Open - Remediation
Status Date:	07/22/2003
Global Id:	T0605901500
Status:	Open - Remediation
Status Date:	10/31/2003
Global Id:	T0605901500
Status:	Open - Remediation
Status Date:	05/02/2006
Global Id:	T0605901500
Status:	Open - Remediation
Status Date:	07/30/2007
Global Id:	T0605901500
Status:	Open - Remediation
Status Date:	10/11/2007
Global Id:	T0605901500
Status:	Open - Remediation
Status Date:	01/30/2008
Global Id:	T0605901500
Status:	Open - Remediation
Status Date:	04/28/2008
Global Id:	T0605901500
Status:	Open - Remediation
Status Date:	11/01/2010
Global Id:	T0605901500
Status:	Open - Site Assessment
Status Date:	02/12/1992

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Global Id: T0605901500
Status: Open - Site Assessment
Status Date: 03/02/1992

Global Id: T0605901500
Status: Open - Site Assessment
Status Date: 11/12/2003

Global Id: T0605901500
Status: Open - Site Assessment
Status Date: 01/06/2004

Regulatory Activities:
Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 05/15/2003
Action: Waste Discharge Requirements

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 04/09/2003
Action: Site Visit / Inspection / Sampling

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 10/13/2003
Action: Site Visit / Inspection / Sampling

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 09/29/2004
Action: Staff Letter

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 08/27/2004
Action: Staff Letter

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 07/17/2003
Action: Staff Letter

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 09/24/2003
Action: Staff Letter

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 10/13/2003
Action: Meeting

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 08/28/2003
Action: Meeting

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Global Id:	T0605901500
Action Type:	ENFORCEMENT
Date:	05/06/2003
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605901500
Action Type:	ENFORCEMENT
Date:	03/05/2004
Action:	* Verbal Communication
Global Id:	T0605901500
Action Type:	ENFORCEMENT
Date:	02/06/2004
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605901500
Action Type:	ENFORCEMENT
Date:	05/06/2010
Action:	Staff Letter
Global Id:	T0605901500
Action Type:	ENFORCEMENT
Date:	03/07/2013
Action:	Verbal Enforcement
Global Id:	T0605901500
Action Type:	ENFORCEMENT
Date:	01/17/2014
Action:	Waste Discharge Requirements
Global Id:	T0605901500
Action Type:	Other
Date:	02/12/1992
Action:	Leak Began
Global Id:	T0605901500
Action Type:	RESPONSE
Date:	12/14/2004
Action:	Other Report / Document
Global Id:	T0605901500
Action Type:	RESPONSE
Date:	09/28/2004
Action:	Other Workplan
Global Id:	T0605901500
Action Type:	RESPONSE
Date:	10/18/2002
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0605901500
Action Type:	RESPONSE
Date:	01/21/2003
Action:	Other Report / Document
Global Id:	T0605901500
Action Type:	RESPONSE

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Date:	09/20/2002
Action:	Soil and Water Investigation Report
Global Id:	T0605901500
Action Type:	RESPONSE
Date:	04/25/2003
Action:	Well Installation Report
Global Id:	T0605901500
Action Type:	RESPONSE
Date:	03/12/2003
Action:	Other Report / Document
Global Id:	T0605901500
Action Type:	RESPONSE
Date:	05/27/2003
Action:	Interim Remedial Action Report
Global Id:	T0605901500
Action Type:	RESPONSE
Date:	07/30/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0605901500
Action Type:	RESPONSE
Date:	10/30/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0605901500
Action Type:	RESPONSE
Date:	01/30/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0605901500
Action Type:	RESPONSE
Date:	04/30/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0605901500
Action Type:	RESPONSE
Date:	01/01/2007
Action:	Soil and Water Investigation Report
Global Id:	T0605901500
Action Type:	RESPONSE
Date:	11/30/2003
Action:	Soil and Water Investigation Workplan
Global Id:	T0605901500
Action Type:	RESPONSE
Date:	10/31/2013
Action:	CAP/RAP - Other Report - Regulator Responded
Global Id:	T0605901500
Action Type:	ENFORCEMENT
Date:	06/16/2005
Action:	* No Action

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 01/31/2005
Action: * No Action

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 07/15/2010
Action: Staff Letter

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 01/04/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 12/30/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901500
Action Type: Other
Date: 02/12/1992
Action: Leak Discovery

Global Id: T0605901500
Action Type: RESPONSE
Date: 10/30/2003
Action: Remedial Progress Report

Global Id: T0605901500
Action Type: RESPONSE
Date: 09/15/2003
Action: Other Report / Document

Global Id: T0605901500
Action Type: RESPONSE
Date: 07/30/2003
Action: Soil and Water Investigation Report

Global Id: T0605901500
Action Type: RESPONSE
Date: 10/30/2010
Action: Site Assessment Report

Global Id: T0605901500
Action Type: REMEDIATION
Date: 07/22/2003
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605901500
Action Type: REMEDIATION
Date: 06/01/1992
Action: Excavation

Global Id: T0605901500
Action Type: REMEDIATION

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Date: 04/05/2000
Action: Free Product Removal

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 06/23/2005
Action: * No Action

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 09/28/2005
Action: * No Action

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 08/02/2005
Action: * No Action

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 11/03/2005
Action: * No Action

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 07/11/2007
Action: Verbal Enforcement

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 02/22/2007
Action: Staff Letter

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 10/19/2006
Action: Staff Letter

Global Id: T0605901500
Action Type: RESPONSE
Date: 10/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 06/30/2003
Action: Tank Removal Report / UST Sampling Report

Global Id: T0605901500
Action Type: RESPONSE
Date: 06/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 07/30/2003
Action: Monitoring Report - Quarterly

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Global Id: T0605901500
Action Type: RESPONSE
Date: 08/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 07/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 03/30/2005
Action: NPDES / WDR Reports

Global Id: T0605901500
Action Type: RESPONSE
Date: 04/30/2005
Action: NPDES / WDR Reports

Global Id: T0605901500
Action Type: RESPONSE
Date: 05/30/2005
Action: NPDES / WDR Reports

Global Id: T0605901500
Action Type: RESPONSE
Date: 11/03/2004
Action: NPDES / WDR Reports

Global Id: T0605901500
Action Type: RESPONSE
Date: 08/30/2004
Action: NPDES / WDR Reports

Global Id: T0605901500
Action Type: RESPONSE
Date: 09/30/2004
Action: NPDES / WDR Reports

Global Id: T0605901500
Action Type: RESPONSE
Date: 12/02/2004
Action: NPDES / WDR Reports

Global Id: T0605901500
Action Type: RESPONSE
Date: 01/30/2005
Action: NPDES / WDR Reports

Global Id: T0605901500
Action Type: RESPONSE
Date: 01/30/2011
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Date: 07/30/2011
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: REMEDIATION
Date: 07/01/2010
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605901500
Action Type: REMEDIATION
Date: 12/06/2006
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605901500
Action Type: REMEDIATION
Date: 10/01/2010
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 11/17/2006
Action: Site Visit / Inspection / Sampling

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 06/01/2006
Action: Staff Letter

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 10/19/2006
Action: Meeting

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 07/18/2007
Action: Staff Letter

Global Id: T0605901500
Action Type: Other
Date: 02/21/1992
Action: Leak Stopped

Global Id: T0605901500
Action Type: RESPONSE
Date: 05/02/2005
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 02/28/2005
Action: NPDES / WDR Reports

Global Id: T0605901500
Action Type: RESPONSE
Date: 04/30/2011
Action: Monitoring Report - Quarterly

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Global Id: T0605901500
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 10/30/2010
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 10/31/2011
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 05/30/2008
Action: Verbal Communication

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 01/19/2012
Action: Staff Letter

Global Id: T0605901500
Action Type: RESPONSE
Date: 04/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 01/31/2005
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 09/30/2005
Action: NPDES / WDR Reports

Global Id: T0605901500
Action Type: RESPONSE
Date: 10/31/2005
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 08/01/2005
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 02/21/2003
Action: File review

Global Id: T0605901500
Action Type: ENFORCEMENT

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Date: 08/24/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 05/23/2003
Action: * Verbal Communication

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 01/06/2004
Action: Staff Letter

Global Id: T0605901500
Action Type: Other
Date: 02/21/1992
Action: Leak Reported

Global Id: T0605901500
Action Type: RESPONSE
Date: 01/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 10/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 11/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 07/30/2006
Action: NPDES / WDR Reports

Global Id: T0605901500
Action Type: RESPONSE
Date: 09/30/2006
Action: NPDES / WDR Reports

Global Id: T0605901500
Action Type: RESPONSE
Date: 07/31/2006
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 05/01/2006
Action: Remedial Progress Report

Global Id: T0605901500
Action Type: RESPONSE
Date: 01/30/2013
Action: Monitoring Report - Quarterly

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901500
Action Type: RESPONSE
Date: 07/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 01/08/2009
Action: File review

Global Id: T0605901500
Action Type: RESPONSE
Date: 10/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 10/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 01/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 04/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 10/30/2007
Action: Remedial Progress Report

Global Id: T0605901500
Action Type: RESPONSE
Date: 01/30/2008
Action: Remedial Progress Report

Global Id: T0605901500
Action Type: RESPONSE
Date: 04/30/2008
Action: Remedial Progress Report

Global Id: T0605901500
Action Type: RESPONSE
Date: 07/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Date: 07/30/2007
Action: Remedial Progress Report

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 05/13/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901500
Action Type: RESPONSE
Date: 01/30/2014
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 05/22/2003
Action: * Verbal Communication

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 02/27/2003
Action: Staff Letter

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 12/30/2002
Action: Staff Letter

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 01/08/2003
Action: * Verbal Communication

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 07/30/2002
Action: Staff Letter

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 07/28/2009
Action: Staff Letter

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 12/14/2009
Action: Meeting

Global Id: T0605901500
Action Type: ENFORCEMENT
Date: 08/22/2013
Action: Waste Discharge Requirements

Global Id: T0605901500
Action Type: RESPONSE
Date: 04/30/2010
Action: Monitoring Report - Quarterly

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Global Id: T0605901500
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Quarterly

Global Id: T0605901500
Action Type: RESPONSE
Date: 07/01/2010
Action: Well Installation Workplan

Global Id: T0605901500
Action Type: RESPONSE
Date: 07/30/2014
Action: Monitoring Report - Semi-Annually

CA FID UST:
Facility ID: 30001263
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7145296433
Mail To: Not reported
Mailing Address: PO BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: FULLERTON 92631
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: Active
Comp Number: 4650
Number: 1
Board Of Equalization: 44-000506
Referral Date: 07-29-92
Action Date: 09-21-92
Created Date: 12-31-88
Owner Tank Id: 1-EC-1
SWRCB Tank Id: 30-013-004650-000005
Tank Status: A
Capacity: 10000
Active Date: 07-29-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 4650
Number: 1

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Board Of Equalization: 44-000506
Referral Date: 07-29-92
Action Date: 09-21-92
Created Date: 12-31-88
Owner Tank Id: 2-UNLEADED
SWRCB Tank Id: 30-013-004650-000006
Tank Status: A
Capacity: 10000
Active Date: 07-29-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 4650
Number: 1
Board Of Equalization: 44-000506
Referral Date: 07-29-92
Action Date: 09-21-92
Created Date: 12-31-88
Owner Tank Id: 3-UNLEADED
SWRCB Tank Id: 30-013-004650-000007
Tank Status: A
Capacity: 10000
Active Date: 07-29-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 4650
Number: 1
Board Of Equalization: 44-000506
Referral Date: 07-29-92
Action Date: 09-21-92
Created Date: 12-31-88
Owner Tank Id: 4-EC-P
SWRCB Tank Id: 30-013-004650-000008
Tank Status: A
Capacity: 10000
Active Date: 07-29-92
Tank Use: M.V. FUEL
STG: P
Content: PRM UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 4650
Number: Not reported
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-013-004650-000001

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	WASTE
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Not reported
Comp Number:	4650
Number:	Not reported
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-013-004650-000002
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	WASTE
Content:	PRODUCT
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	4650
Number:	Not reported
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-013-004650-000003
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	WASTE
Content:	WASTE
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	4650
Number:	Not reported
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-013-004650-000004
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	PRM UNLEADED

DRAFT

ARCO FAC #3080 (Continued) **S101589078**

Number Of Tanks: Not reported

L50 **MOBIL #18-793** **LUST** **U003976773**
SE **2800 IMPERIAL HWY** **N/A**
1/4-1/2 **FULLERTON, CA 92631**
0.435 mi.
2295 ft. **Site 4 of 4 in cluster L**

Relative:
Lower

Actual:
309 ft.

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Pollution Characterization
Case Number:	083002163T
Local Case Num:	Not reported
Case Type:	Aquifer affected
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Remove Free Product - remove floating product from water table
Cross Street:	Not reported
Enf Type:	SEL
Funding:	Not reported
How Discovered:	Tank Test
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0605901602
How Stopped Date:	8/20/1992
Enter Date:	1/4/1993
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	8/20/1992
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	3/24/1993
Date Pollution Characterization Began:	11/29/2004
Date Remediation Plan Submitted:	10/15/1998
Date Remedial Action Underway:	1/15/2003
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	1/4/1993
GW Qualifies:	=
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Yes
Oversite Program:	LUST
Latitude:	33.910623
Longitude:	-117.880753
MTBE Date:	7/23/1997
Max MTBE GW:	190000
MTBE Concentration:	1
Max MTBE Soil:	21
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	B
Staff:	RS
Staff Initials:	SRL
Lead Agency:	Regional Board

DRAFT

MOBIL #18-793 (Continued) **U003976773**

Local Agency:	30013
Hydr Basin #:	COASTAL PLAIN OF ORA
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	GW DEPTH AT 10-15' BGS. FLOW DIRECTION SSE. MTBE UP TO 160,000 PPB (2/96). PRELIMANRY RAP DATED 4/97 RECIEVED. REQUIRE SUBMITTAL OF FINAL RAP BY 6/2/97

---

51 **ARCO PETROLEUM** **LUST** **S106487560**
SE **0 IMPERIAL & ASSOCIATED** **N/A**
1/4-1/2 **FULLERTON, CA 92631**
0.468 mi.
2470 ft.

Relative:
Lower

Actual:
304 ft.

LUST:

Region:	STATE
Global Id:	T0605931454
Latitude:	33.9105284468345
Longitude:	-117.880328893662
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/17/1985
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	AM
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	85UT046
File Location:	Local Agency
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605931454
Contact Type:	Regional Board Caseworker
Contact Name:	VALERIE JAHN-BULL
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	vjahn-bull@waterboards.ca.gov
Phone Number:	9517824903

Global Id:	T0605931454
Contact Type:	Local Agency Caseworker
Contact Name:	ANTHONY MARTINEZ
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E. DYER ROAD SUITE 120
City:	SANTA ANA
Email:	amartinez@ochca.com
Phone Number:	7144336011

Status History:

Global Id:	T0605931454
Status:	Open - Case Begin Date
Status Date:	04/17/1985

DRAFT

ARCO PETROLEUM (Continued) **S106487560**

Global Id: T0605931454
Status: Completed - Case Closed
Status Date: 04/17/1985

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	Not reported
Local Case Num:	85UT046
Case Type:	Undefined
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605931454
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	1/1/1965
Enforcement Date:	Not reported
Close Date:	4/17/1985
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	Not reported
Longitude:	Not reported
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	WJ
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported

DRAFT

ARCO PETROLEUM (Continued) **S106487560**

Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

---

52 **MAX POLLING FAMILY TRUST** **LUST** **U001742896**
North **302 OAK PL** **CA FID UST** **N/A**
1/4-1/2 **BREA, CA 92621**
0.479 mi.
2528 ft.

Relative:
Higher

Actual:
380 ft.

LUST:
Region: STATE
Global Id: T0605901902
Latitude: 33.9229244
Longitude: -117.8875679
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/21/1997
Lead Agency: ORANGE COUNTY LOP
Case Worker: TE
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083002759T
LOC Case Number: 95UT065
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0605901902
Contact Type: Regional Board Caseworker
Contact Name: NANCY OLSON-MARTIN
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: nolson-martin@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0605901902
Contact Type: Local Agency Caseworker
Contact Name: TAMARA ESCOBEDO
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: tescobedo@ochca.com
Phone Number: 7144336251

Status History:
Global Id: T0605901902
Status: Completed - Case Closed
Status Date: 11/21/1997

Global Id: T0605901902
Status: Open - Case Begin Date

DRAFT

MAX POLLING FAMILY TRUST (Continued) **U001742896**

Status Date: 10/12/1995

Regulatory Activities:
Global Id: T0605901902
Action Type: Other
Date: 10/12/1995
Action: Leak Discovery

Global Id: T0605901902
Action Type: Other
Date: 10/12/1995
Action: Leak Reported

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 95UT065
Current Status: Certification (Case Closed)
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 11/21/1997
Case Type: Soil Only
Record ID: RO0002591

LUST REG 8:
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083002759T
Local Case Num: 95UT065
Case Type: Soil only
Substance: Diesel
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Leak Cause: Unknown
Leak Source: Unknown
Global ID: T0605901902
How Stopped Date: 9/9/9999
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: 10/12/1995
Enforcement Date: Not reported
Close Date: 11/21/1997
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: Not reported

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MAX POLLING FAMILY TRUST (Continued) **U001742896**

Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9228568
Longitude:	-117.8873344
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	NOM
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

CA FID UST:

Facility ID:	30017538
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7145291901
Mail To:	Not reported
Mailing Address:	302 OAK PL
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BREA 92621
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

53
NNW
1/2-1
0.596 mi.
3145 ft.

Relative:
Higher

Actual:
384 ft.

CIRTECH BREA
351 THOR PL
BREA, CA 92821

RCRA-SQG **1000139764**
CA FID UST **CAD054835913**
HIST UST
HAZNET
EMI
ENVIROSTOR
WDS

RCRA-SQG:

Date form received by agency:	07/08/2002
Facility name:	CIRTECH BREA
Facility address:	351 THOR PL BREA, CA 92821

DRAFT

CIRTECH BREA (Continued) **1000139764**

EPA ID: CAD054835913
Contact: JUAN MARTINEZ
Contact address: 351 THOR PL
BREA, CA 92821
Contact country: US
Contact telephone: (714) 582-0070
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: BRAD REESE
Owner/operator address: 351 THOR PL
BREA, CA 92821
Owner/operator country: Not reported
Owner/operator telephone: (714) 582-0070
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 07/08/2002
Site name: CIRTECH BREA
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D035

DRAFT

CIRTECH BREA (Continued) **1000139764**

. Waste name: METHYL ETHYL KETONE

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE(BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

Date form received by agency: 02/28/2002
Site name: TRI-STAR ENGINEERED PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 03/31/2000
Site name: TRI STAR ENGINEERED PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: CIRTECH BREA
Classification: Large Quantity Generator

Date form received by agency: 03/30/1996
Site name: TRI-STAR ENGINEERED PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 03/23/1994
Site name: TRI-STAR ENGINEERED PROD
Classification: Large Quantity Generator

Date form received by agency: 03/13/1992
Site name: TRI-STAR ENGINEERED PRODUCTS I
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 05/12/1992
Date achieved compliance: 04/14/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

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CIRTECH BREA (Continued) **1000139764**

Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/14/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 05/12/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/14/1994
Evaluation lead agency: State Contractor/Grantee

CA FID UST:
Facility ID: 30000019
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146711545
Mail To: Not reported
Mailing Address: 351 THOR PL
Mailing Address 2: Not reported
Mailing City,St,Zip: BREA 92621
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:
Region: STATE
Facility ID: 00000058833
Facility Type: Other
Other Type: PRINTED CIRCUIT BD.
Contact Name: JAMES NATZKE
Telephone: 7146711545
Owner Name: TRI-STAR ENGINEERED PRODUCTS I
Owner Address: 351 THOR PLACE
Owner City,St,Zip: BREA, CA 92621
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1981
Tank Capacity: 00001200
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: None

DRAFT

CIRTECH BREA (Continued) **1000139764**

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

HAZNET:
envid: 1000139764
Year: 2003
GEPAID: CAD054835913
Contact: JUAN MARTINEZ ENVT'L MANAGER
Telephone: 7145820070
Mailing Name: Not reported
Mailing Address: 351 THOR PL
Mailing City,St,Zip: BREA, CA 928214133
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Tons: 0.84
Facility County: Orange

envid: 1000139764
Year: 2003
GEPAID: CAD054835913
Contact: JUAN MARTINEZ ENVT'L MANAGER
Telephone: 7145820070
Mailing Name: Not reported
Mailing Address: 351 THOR PL
Mailing City,St,Zip: BREA, CA 928214133
Gen County: Not reported
TSD EPA ID: AZT050010685
TSD County: Not reported
Waste Category: Aqueous solution (2 < pH < 12.5) containing reactive anions ...
Disposal Method: Recycler
Tons: 0.06
Facility County: Orange

envid: 1000139764
Year: 2003
GEPAID: CAD054835913
Contact: JUAN MARTINEZ ENVT'L MANAGER
Telephone: 7145820070
Mailing Name: Not reported
Mailing Address: 351 THOR PL
Mailing City,St,Zip: BREA, CA 928214133
Gen County: Not reported
TSD EPA ID: AZT050010685
TSD County: Not reported
Waste Category: Aqueous solution (2 < pH < 12.5) containing reactive anions ...
Disposal Method: Recycler
Tons: 0.06
Facility County: Orange

DRAFT

CIRTECH BREA (Continued) **1000139764**

envid: 1000139764
Year: 2003
GEPAID: CAD054835913
Contact: JUAN MARTINEZ ENVT'L MANAGER
Telephone: 7145820070
Mailing Name: Not reported
Mailing Address: 351 THOR PL
Mailing City,St,Zip: BREA, CA 928214133
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Tons: 0.84
Facility County: Orange

envid: 1000139764
Year: 2002
GEPAID: CAD054835913
Contact: JUAN MARTINEZ ENVT'L MANAGER
Telephone: 7145820070
Mailing Name: Not reported
Mailing Address: 351 THOR PL
Mailing City,St,Zip: BREA, CA 928214133
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Disposal, Other
Tons: 0.85
Facility County: Orange

Click this hyperlink while viewing on your computer to access
51 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:
Year: 1987
County Code: 30
Air Basin: SC
Facility ID: 45162
Air District Name: SC
SIC Code: 3679
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 1990
County Code: 30
Air Basin: SC
Facility ID: 45162

DRAFT

CIRTECH BREA (Continued) **1000139764**

Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

ENVIROSTOR:

Facility ID:	71002460
Status:	Inactive - Needs Evaluation
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Cypress
Assembly:	55
Senate:	29
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92322
Longitude:	-117.8917
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD054835913
Alias Type:	EPA Identification Number
Alias Name:	71002460
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported

DRAFT

CIRTECH BREA (Continued) **1000139764**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

WDS:

Facility ID:	Santa Ana River 30I017328
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	8
Facility Telephone:	7145820070
Facility Contact:	JIM NATZKE
Agency Name:	REESE BRAD
Agency Address:	250 E EMERSON
Agency City,St,Zip:	ORANGE 92865
Agency Contact:	JUAN MARTINEZ
Agency Telephone:	7149210860
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

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M54 **KIRKHILL RUBBER CO** **CERC-NFRAP** **1000270392**
NW **300 EAST CYPRESS STREET** **RCRA-SQG** **CAD008255168**
1/2-1 **BREA, CA 92821** **ICIS**
0.679 mi. **FINDS**
3585 ft. **Site 1 of 3 in cluster M** **ENVIROSTOR**
US AIRS

Relative:
Higher

Actual:
380 ft.

CERC-NFRAP:
Site ID: 0903497
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13285452.00000
Person ID: 13003854.00000

Contact Sequence ID: 13291047.00000
Person ID: 13003858.00000

Contact Sequence ID: 13296905.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 12/01/87
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 11/23/88
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 11/23/88
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

RCRA-SQG:
Date form received by agency: 04/11/1983
Facility name: KIRKHILL RUBBER CO
Facility address: 300 CYPRESS ST
BREA, CA 92821
EPA ID: CAD008255168
Mailing address: 300 E CYPRESS AVE
BREA, CA 92621
Contact: ALFRED LAROCHELLE
Contact address: 300 E CYPRESS AVE
BREA, CA 92621
Contact country: US
Contact telephone: (714) 529-4901
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous

DRAFT

KIRKHILL RUBBER CO (Continued) **1000270392**

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
- Owner/operator name: NOT REQUIRED
- Owner/operator address: NOT REQUIRED
  NOT REQUIRED, ME 99999
- Owner/operator country: Not reported
- Owner/operator telephone: (415) 555-1212
- Legal status: Private
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

- Owner/operator name: NOT REQUIRED
- Owner/operator address: NOT REQUIRED
  NOT REQUIRED, ME 99999
- Owner/operator country: Not reported
- Owner/operator telephone: (415) 555-1212
- Legal status: Private
- Owner/Operator Type: Operator
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Violation Status: No violations found

ICIS:
- Enforcement Action ID: 09-1999-0099
- FRS ID: 110000479768
- Program ID: BR CAD981449614
- Action Name: KIRKHILL RUBBER COMPANY
- Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
- State: California
- Facility Name: KIRKHILL RUBBER CO
- Facility Address: 300 EAST CYPRESS STREET
  BREA, CA 92821-4097
- Enforcement Action Type: EPCRA 325 Action For Penalty
- Facility County: ORANGE
- EPA Region #: 9

DRAFT

KIRKHILL RUBBER CO (Continued) **1000270392**

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: FRS 110000479768
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: HWTS-DATAMART CAD981449614
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: NCDB C09#09-89131-01-WR
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: NCDB D09#EPCRA09-99-0024
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: TRIS 92621KRKHL300EC
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097

DRAFT

KIRKHILL RUBBER CO (Continued) **1000270392**

State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: NCDB I09#199812229ST04 1
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: NEI NEI22123
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: RCRAINFO CAD008255168
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ORANGE
EPA Region #: 9

Enforcement Action ID: 09-1999-0099
FRS ID: 110000479768
Program ID: RCRAINFO CAD981449614
Action Name: KIRKHILL RUBBER COMPANY
Full Address: 300 EAST CYPRESS STREET BREA CA 92821-4097
State: California
Facility Name: KIRKHILL RUBBER CO
Facility Address: 300 EAST CYPRESS STREET
BREA, CA 92821-4097
Enforcement Action Type: EPCRA 325 Action For Penalty

DRAFT

KIRKHILL RUBBER CO (Continued) **1000270392**

Facility County:	ORANGE
EPA Region #:	9
Enforcement Action ID:	09-1999-0099
FRS ID:	110000479768
Program ID:	NCDB I09#19890405CA001 1
Action Name:	KIRKHILL RUBBER COMPANY
Full Address:	300 EAST CYPRESS STREET BREA CA 92821-4097
State:	California
Facility Name:	KIRKHILL RUBBER CO
Facility Address:	300 EAST CYPRESS STREET BREA, CA 92821-4097
Enforcement Action Type:	EPCRA 325 Action For Penalty
Facility County:	ORANGE
EPA Region #:	9

Program ID:	BR CAD981449614
Facility Name:	KIRKHILL RUBBER CO
Address:	300 EAST CYPRESS STREET
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	3069

Program ID:	FRS 110000479768
Facility Name:	KIRKHILL RUBBER CO
Address:	300 EAST CYPRESS STREET
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	3069

Program ID:	HWTS-DATAMART CAD981449614
Facility Name:	KIRKHILL RUBBER CO
Address:	300 EAST CYPRESS STREET
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	3069

Program ID:	NCDB C09#09-89131-01-WR
Facility Name:	KIRKHILL RUBBER CO
Address:	300 EAST CYPRESS STREET
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	3069

Program ID:	NCDB D09#EPCRA09-99-0024
Facility Name:	KIRKHILL RUBBER CO
Address:	300 EAST CYPRESS STREET
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	3069

DRAFT

KIRKHILL RUBBER CO (Continued) **1000270392**

Program ID: NCDB I09#19890405CA001 1
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: NCDB I09#199812229ST04 1
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: NEI NEI22123
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: RCRAINFO CAD008255168
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: RCRAINFO CAD981449614
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

Program ID: TRIS 92621KRKHL300EC
Facility Name: KIRKHILL RUBBER CO
Address: 300 EAST CYPRESS STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3069

FINDS:

Registry ID: 110000479768

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for

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KIRKHILL RUBBER CO (Continued) **1000270392**

information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

AIR MAJOR

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

ENVIROSTOR:

Facility ID:	30300043
Status:	Refer: RCRA
Status Date:	09/27/1988
Site Code:	Not reported
Site Type:	Historical

DRAFT

KIRKHILL RUBBER CO (Continued) **1000270392**

Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 55
Senate: 29
Special Program: * CERC2
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.92194
Longitude: -117.8941
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * OIL/WATER SEPARATION SLUDGE * OXYGENATED SOLVENTS Asbestos Containing Materials (ACM * UNSPECIFIED AQUEOUS SOLUTION
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008255168
Alias Type: EPA Identification Number
Alias Name: 30300043
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 09/27/1988
Comments: SITE SCREENING DONE RCRA REGULATED FACILITY, THEREFORE, PENDING STATUS GENERATOR

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/05/1988
Comments: SELF MONITORING FACILITY MONITORS EFFLUENT DISCHARGE TO NEARBY STORM DRAIN, NPDES PERMIT NO. 0105520, RWQCB SANTA ANA PRELIM ASSESS DONE MEDIUM PRIORITY FOR A SITE INSPECTION BASED ON HISTORICAL DISCHARGES TO THE SOIL SURFACE.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/28/1987
Comments: SITE SCREENING DONE MORE INFO NEEDED MANUFACTURES SYNTHETIC RUBBER.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 08/15/1981
Comments: FACILITY IDENTIFIED PHONEBOOK SEARCH (1956,1961)

Future Area Name: Not reported
Future Sub Area Name: Not reported

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KIRKHILL RUBBER CO (Continued) **1000270392**

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AIRS (AFS):

Compliance and Violation Data Major Sources:
EPA plant ID: 110000479768
Plant name: KIRKHILL - TA COMPANY
Plant address: 300 E CYPRESS ST
BREA, CA 92821
County: ORANGE
Region code: 09
Dunn & Bradst #: 008255168
Air quality cntrl region: 024
Sic code: 3069
Sic code desc: FABRICATED RUBBER PRODUCTS, NEC
North Am. industrial classf: 326299
NAIC code description: All Other Rubber Product Manufacturing
Default compliance status: IN COMPLIANCE - INSPECTION
Default classification: ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV: Not reported

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55 **BRISTOL INDUSTRIES** **NPDES S108542895**
North **630 E LAMBERT ST** **SLIC N/A**
1/2-1 **BREA, CA 92621** **Orange Co. Industrial Site**
0.687 mi. **ENVIROSTOR**
3629 ft.

Relative:
Higher

Actual:
409 ft.

NPDES:
Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 8
Regulatory Measure Id: 208254
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 8 30I002167
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 03/30/1992
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Bristol Industries
Discharge Address: 630 East Lambert Road
Discharge City: Brea
Discharge State: California
Discharge Zip: 92821

DRAFT

BRISTOL INDUSTRIES (Continued) **S108542895**

SLIC REG 8:
- Type: Soil and Groundwater
- Facility Status: Closed
- Staff: Kamron Saremi, Tel 909-782-4303, SLIC
- Substance: SOLVENT
- Lead Agency: Regional Board
- Location Code: BR-9
- Thomas Bros Code: 709-A6

Orange Co. Industrial Site:
- Case ID: 92IC020
- Region: ORANGE
- Record ID: RO0000366
- Current Status: CLOSED 8/29/2001
- Closure Type: Closure certification issued
- Released Chemical: HEAVY METAL WASTE - NON-PLATING

ENVIROSTOR:
- Facility ID: 71002534
- Status: Inactive - Needs Evaluation
- Status Date: 09/14/2011
- Site Code: Not reported
- Site Type: Evaluation
- Site Type Detailed: Evaluation
- Acres: 0
- NPL: NO
- Regulatory Agencies: NONE SPECIFIED
- Lead Agency: NONE SPECIFIED
- Program Manager: Not reported
- Supervisor: * Greg Holmes
- Division Branch: Cleanup Cypress
- Assembly: 55
- Senate: 29
- Special Program: EPA - PASI
- Restricted Use: NO
- Site Mgmt Req: NONE SPECIFIED
- Funding: EPA Grant
- Latitude: 33.92339
- Longitude: -117.8861
- APN: NONE SPECIFIED
- Past Use: NONE SPECIFIED
- Potential COC: NONE SPECIFIED
- Confirmed COC: NONE SPECIFIED
- Potential Description: NONE SPECIFIED
- Alias Name: CAD067615435
- Alias Type: EPA Identification Number
- Alias Name: 110000844418
- Alias Type: EPA (FRS #)
- Alias Name: 71002534
- Alias Type: Envirostor ID Number

Completed Info:
- Completed Area Name: Not reported
- Completed Sub Area Name: Not reported
- Completed Document Type: Not reported
- Completed Date: Not reported

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BRISTOL INDUSTRIES (Continued) **S108542895**

Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

M56 **GORDONS AUTO REPAIR** **ENVIROSTOR** **1000191229**
NW **318 NORTH ORANGE** **N/A**
1/2-1 **BREA, CA 92621**
0.713 mi.
3765 ft. **Site 2 of 3 in cluster M**

Relative:
Higher

Actual:
385 ft.

ENVIROSTOR:
Facility ID: 30750014
Status: No Further Action
Status Date: 03/21/1988
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 55
Senate: 29
Special Program: * CERC2
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.92392
Longitude: -117.8945
APN: NONE SPECIFIED
Past Use: VEHICLE MAINTENANCE
Potential COC: Lead TPH-MOTOR OIL Aluminum Barium and compounds Cadmium and compounds Nickel
Confirmed COC: 30047-NO 30067-NO 30108-NO 30407-NO 30013-NO 3002502-NO
Potential Description: SOIL
Alias Name: 30750014
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/10/1982
Comments: FACILITY IDENTIFIED ID'D DURING DRIVEBY.ACTIVE SITE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

DRAFT

GORDONS AUTO REPAIR (Continued) **1000191229**

Completed Document Type:	Preliminary Assessment Report
Completed Date:	03/21/1988
Comments:	CITY OF BREA WTR DIV: 2 RESERVOIRS NEAR FACILITY. PRELIM ASSESS DONE NFA BASED ON AVAILABLE INFO
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/26/1986
Comments:	SITE SCREENING DONE RATIONALE FOR PA: NEED ADDITIONAL INFO.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	10/28/1994
Comments:	DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

M57 **MCGRAW, JAS E & SONS** **ENVIROSTOR** **S101481444**
NW **320 NORTH ORANGE** **N/A**
1/2-1 **BREA, CA 92621**
0.715 mi.
3774 ft. **Site 3 of 3 in cluster M**

Relative:
Higher

Actual:
385 ft.

ENVIROSTOR:

Facility ID:	30330016
Status:	No Further Action
Status Date:	03/21/1988
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	55
Senate:	29
Special Program:	* CERC2
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.91521
Longitude:	-117.8993
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* HOUSEHOLD WASTES * CONTAMINATED SOIL * OTHER INORGANIC SOLID WASTE

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MCGRAW, JAS E & SONS (Continued) **S101481444**

* OTHER PESTICIDE CONTAINERS, 30 GALLONS OR MORE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 30330016
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/10/1982
Comments: FACILITY IDENTIFIED DURING DRIVEBY IN AREA FACILITY DRIVE-BY POOR HOUSEKEEPING. RUSTY 55-GAL. DRUMS. BLACK & WHITE POWDER SPILLED ON GROUND. YARD ADJ TO PROPERTY CONTAINS 55-GAL. DRUMS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/28/1994
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 03/21/1988
Comments: CITY OF BREA WTR DIVISION: 2 RESERVOIRS LOCATED NEAR FACILITY PRELIM ASSESS DONE NFA: BASED ON AVAILABLE INFO AND HISTORICAL RECORDS, SITE DOES NOT APPEAR TO POSE A HLTH OR ENVR THREAT

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/18/1986
Comments: GROUND PHOTOS PHOTOS SHOW WASTE ON THE SITE. DRIVE-BY REQUIRED SITE SCREENING DONE RATIONALE FOR PA: NEED ADDITIONAL INFO.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

58
WNW
1/2-1
0.835 mi.
4407 ft.

THOMPSON DRILL SITE
16500 BIRCH STREET
BREA, CA 92821

Orange Co. Industrial Site **S106116034**
ENVIROSTOR **N/A**

Relative:
Higher

Actual:
366 ft.

Orange Co. Industrial Site:
Case ID: 00IC016
Region: ORANGE
Record ID: RO0000009
Current Status: OPEN
Closure Type: Not reported

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THOMPSON DRILL SITE (Continued) **S106116034**

Released Chemical: WASTE (OR SLOP) OIL; FUEL WASTE; ORGANIC COMPOUNDS

ENVIROSTOR:
Facility ID: 30130189
Status: Refer: 1248 Local Agency
Status Date: 08/02/2000
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: ORANGE COUNTY
Lead Agency: ORANGE COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 55
Senate: 29
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.91921
Longitude: -117.9018
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 30130189
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 08/02/2000
Comments: DTSC is not involved with this project.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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Count: 4 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BREA	S108542892	BREA, CITY OF	S BREA BOULEVARD		SLIC
BREA	S108985877	CITY OF BREA	N/A IMPERIAL HIGHWAY		SLIC
BREA	S108985880	CALRESOURCES (BERM MIXING FAC)	INTSCT NW BREA/TONNER ROAD		SLIC
BREA	S106797615	NUEVO ENERGY - TENTATIVE TRACT #16	2700 E. LAMBERT ROAD	92821	ENVIROSTOR

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/16/2014
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: EPA
Telephone: N/A
Last EDR Contact: 04/08/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/16/2014
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: EPA
Telephone: N/A
Last EDR Contact: 04/08/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

DRAFT

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/16/2014
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: EPA
Telephone: N/A
Last EDR Contact: 04/08/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 04/02/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/21/2014
Date Data Arrived at EDR: 10/07/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/08/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 04/02/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

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Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

DRAFT

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/18/2014
Date Data Arrived at EDR: 09/19/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/26/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/18/2014
Date Data Arrived at EDR: 09/19/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/26/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/03/2014
Date Data Arrived at EDR: 12/12/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 48

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 09/30/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 37

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/12/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 6

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/12/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/12/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 6

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/12/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/16/2015
Date Data Arrived at EDR: 02/17/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 14

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/17/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

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LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/08/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 01/28/2015
Date Data Arrived at EDR: 01/30/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/10/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 31

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 01/30/2015
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 32

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/30/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

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INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/26/2015
Number of Days to Update: 8

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 271

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/30/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Semi-Annually

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INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/30/2015
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 36

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/29/2015
Date Data Arrived at EDR: 01/30/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

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FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/02/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/12/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 6
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/12/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/22/2014
Date Data Arrived at EDR: 12/22/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 38
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/24/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DRAFT

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/23/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/26/2015
Number of Days to Update: 8
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 04/04/2015
Date Data Arrived at EDR: 04/07/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 6
Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/02/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: No Update Planned

DRAFT

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/03/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/12/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 6

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/12/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Varies

DRAFT

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/03/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/26/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

DRAFT

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/30/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/09/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/10/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/29/2014
Date Data Arrived at EDR: 12/30/2014
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 69

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 01/21/2015
Date Data Arrived at EDR: 01/28/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 29

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/28/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

DRAFT

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/03/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

DRAFT

Date of Government Version: 06/06/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 24

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/10/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/27/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 12/30/2014
Date Data Arrived at EDR: 12/31/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/06/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 01/29/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

DRAFT

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/27/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

DRAFT

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/10/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/09/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/17/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 12/29/2014
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 21

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/09/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 02/27/2015
Date Data Arrived at EDR: 02/27/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/09/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/18/2015
Date Data Arrived at EDR: 02/27/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 26

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/09/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Quarterly

DRAFT

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/24/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 03/12/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Quarterly

DRAFT

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 11/19/2014
Date Data Arrived at EDR: 12/15/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 45
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/20/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Varies

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 04/10/2015
Number of Days to Update: 10
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/23/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 02/18/2015
Date Data Arrived at EDR: 02/20/2015
Date Made Active in Reports: 03/12/2015
Number of Days to Update: 20
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 03/09/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Annually

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

DRAFT

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/26/2015
Date Data Arrived at EDR: 01/28/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 29

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 35

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/17/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 03/25/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 34

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/27/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/18/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

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Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: N/A

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Quarterly

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/13/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Quarterly

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/10/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 02/02/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 25

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List
The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

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Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/13/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Varies

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/17/2015
Date Data Arrived at EDR: 02/20/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 11

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/16/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/10/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Varies

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 04/15/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Varies

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HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/13/2015
Date Data Arrived at EDR: 04/15/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/15/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/23/2015
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/24/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Quarterly

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Annually

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Quarterly

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Varies

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PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/30/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/21/2015
Date Data Arrived at EDR: 01/28/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 29

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/21/2015
Date Data Arrived at EDR: 01/28/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 29

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/24/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 7

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 03/23/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Varies

BUTTE COUNTY:

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CUPA Facility Listing
Cupa facility list.

Date of Government Version: 11/20/2014
Date Data Arrived at EDR: 11/24/2014
Date Made Active in Reports: 01/07/2015
Number of Days to Update: 44

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/05/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 5

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 24

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/23/2015
Date Data Arrived at EDR: 02/25/2015
Date Made Active in Reports: 03/04/2015
Number of Days to Update: 7

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 02/02/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 02/23/2015
Date Data Arrived at EDR: 02/25/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 6

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

EL DORADO COUNTY:

DRAFT

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/24/2015
Date Data Arrived at EDR: 02/25/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 6

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 02/02/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/15/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 8

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/06/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 02/10/2015
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 19

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

KERN COUNTY:

DRAFT

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/22/2014
Date Data Arrived at EDR: 11/12/2014
Date Made Active in Reports: 12/19/2014
Number of Days to Update: 37

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/16/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 7

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 04/10/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/20/2015
Date Data Arrived at EDR: 01/21/2015
Date Made Active in Reports: 02/05/2015
Number of Days to Update: 15

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/23/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/24/2014
Date Data Arrived at EDR: 01/30/2015
Date Made Active in Reports: 03/04/2015
Number of Days to Update: 33

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

DRAFT

Date of Government Version: 01/19/2015
Date Data Arrived at EDR: 01/20/2015
Date Made Active in Reports: 02/05/2015
Number of Days to Update: 16

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/20/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/15/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/15/2015
Date Data Arrived at EDR: 01/29/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 40

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 03/06/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 01/29/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 13

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/08/2015
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/27/2015
Number of Days to Update: 12

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

DRAFT

Date of Government Version: 03/20/2015
Date Data Arrived at EDR: 03/24/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 7

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 03/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014
Date Data Arrived at EDR: 10/22/2014
Date Made Active in Reports: 12/15/2014
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 04/15/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/23/2015
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 7

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 02/27/2015
Date Data Arrived at EDR: 03/06/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 4

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/26/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/19/2015
Date Data Arrived at EDR: 03/20/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 11

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

DRAFT

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/26/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/26/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/12/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 18

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 02/06/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/01/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 18

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 18

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/01/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 13

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Quarterly

PLACER COUNTY:

DRAFT

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/12/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 6
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/09/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/28/2015
Date Data Arrived at EDR: 01/29/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 33
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/23/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/28/2015
Date Data Arrived at EDR: 01/29/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 28
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/23/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/02/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 04/16/2015
Number of Days to Update: 8
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/08/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/02/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 04/16/2015
Number of Days to Update: 8
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/08/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

DRAFT

Date of Government Version: 03/02/2015
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 7

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/10/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014
Date Data Arrived at EDR: 11/21/2014
Date Made Active in Reports: 12/29/2014
Number of Days to Update: 38

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 03/09/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

DRAFT

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/24/2015
Date Data Arrived at EDR: 03/25/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 6
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/23/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/23/2015
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 7
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/13/2015
Date Data Arrived at EDR: 04/15/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 8
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/16/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/17/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 7
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

DRAFT

Date of Government Version: 02/23/2015
Date Data Arrived at EDR: 02/25/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 6

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/26/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/23/2015
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 03/04/2015
Number of Days to Update: 8

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 11/24/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 12/31/2014
Number of Days to Update: 36

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

SOLANO COUNTY:

DRAFT

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 5
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/20/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 11
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/10/2015
Number of Days to Update: 8
Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11
Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8
Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/09/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/30/2015
Date Data Arrived at EDR: 02/03/2015
Date Made Active in Reports: 02/27/2015
Number of Days to Update: 24
Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

VENTURA COUNTY:

DRAFT

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 01/27/2015
Date Data Arrived at EDR: 02/19/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 12

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/02/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/29/2014
Date Data Arrived at EDR: 01/30/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 32

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/27/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/26/2015
Number of Days to Update: 8

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/01/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 12

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/23/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Annually

YUBA COUNTY:

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CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 02/17/2015
Date Data Arrived at EDR: 02/19/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 12

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/17/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2015
Date Data Arrived at EDR: 02/04/2015
Date Made Active in Reports: 02/27/2015
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/04/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/21/2014
Date Made Active in Reports: 08/25/2014
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 08/13/2014
Number of Days to Update: 29

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Annually

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WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

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STREET AND ADDRESS INFORMATION

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APPENDIX E
SITE PHOTOGRAPHS

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Photo #1 Exterior view of southwest side of site looking northwest.

Photo #2 Exterior view of southeast side of building looking north.

Photo #3 Exterior view of northwest side of site looking east.

Photo #4 Exterior view of northeast side of site located in Brea Mall looking south.

Photo #5 Typical view of merchandise sales floor.

Photo #6 Additional view of merchandise sales floor.

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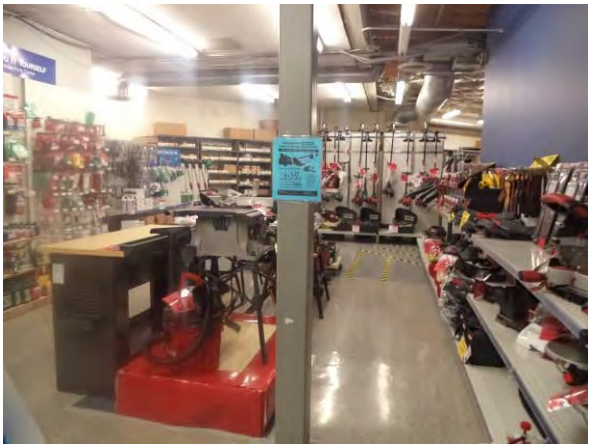

Photo #7 View of parts and service center located in main retail building.

Photo #8 Typical view of Sear Optometry Center located on north side of site.

Photo #9 Typical view of tire storage area located in automotive service center.

Photo #10 Typical view of automotive service center located on west side of site.

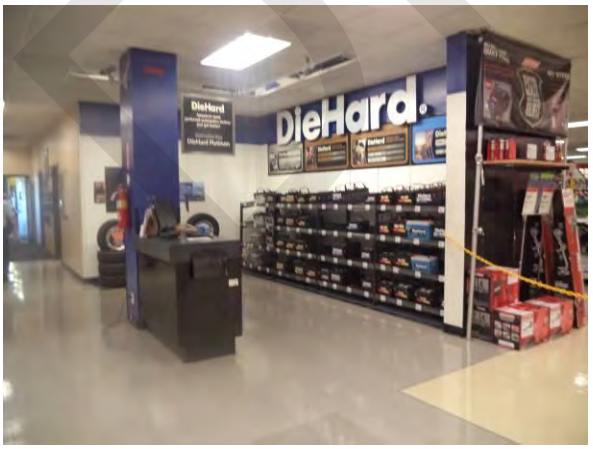

Photo #11 View of automotive sales area and new car battery storage located on west side of site.

Photo #12 View of air compressor located in parts and service center located on south side of site.

Photo #13 View of used oil/ gas storage containers located in parts and service center located on south side of site.

Photo #14 View of MSDS located in parts and service center on south side of site.

Photo #15 Typical view of electrical room located on the north side of the site.

Photo #16 View of two air compressors located in automotive service center on southwest side of site.

Photo #17 View of one approximately 35-gallon wheel weights container and three 55-gallon drums containing used oil.

Photo #18 Typical view of oil filter crusher with associated oil waste container located on north side of auto service center.

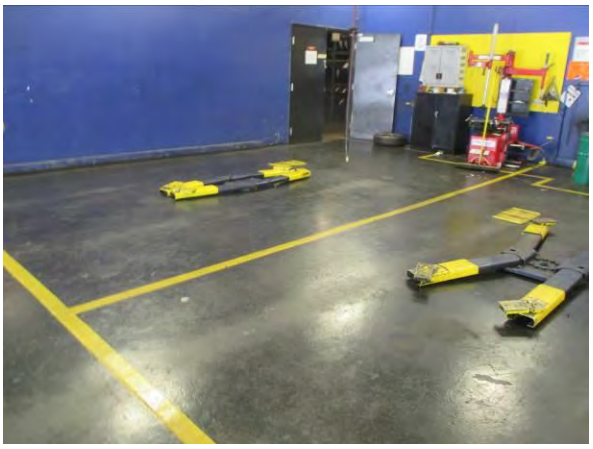

Photo #19 Typical view of the in-ground hydraulic lifts located in automotive service center.

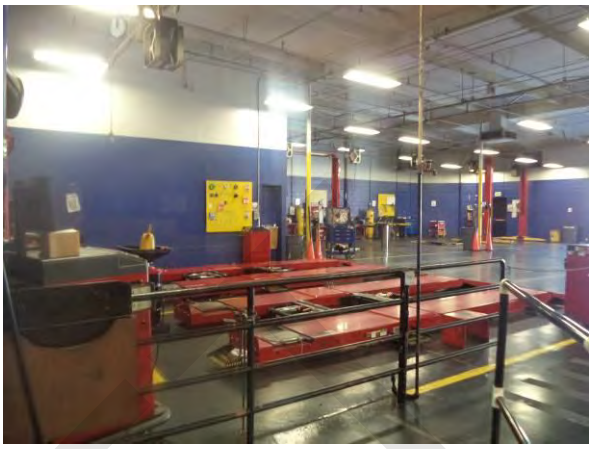

Photo #20 Typical view of above-ground hydraulic lifts located in automotive service center.

Photo #21 View of 55-gallon drums containing new oil and degreaser, and one oil catch pan located on north side of automotive service center.

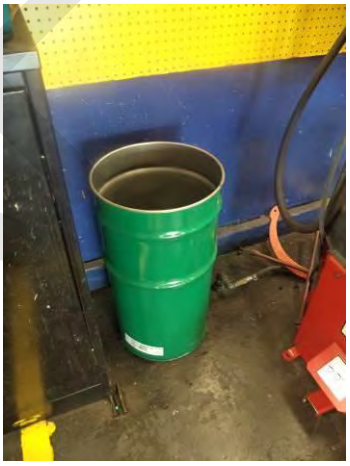

Photo #22 View of approximately 35-gallon container used for wheel weights located on northeast side of automotive service center.

Photo #23 View of approximately 120-gallon new oil container and one cubic yard waste oil and oil filter container in auto center.

Photo #24 View of approximately 200-gallon used anti-freeze storage container located on north side of auto service center.

Photo #25 View of sink/ interior drain and hazardous materials spill kit located on north side of auto service center.

Photo #26 View of portable air compressor located on east side of automotive service center.

Photo #27 View of four stage oil and water separator located on west side of site.

Photo #28 View of approximately 15-cubic-yard solid waste disposal dumpster located on northwest side of site.

Photo #29 View of cardboard baler located on west side of site near the loading dock area.

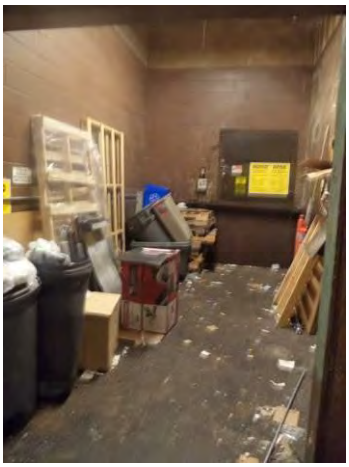

Photo #30 View of trash and debris near the entrance of solid waste compactor located on the northwest side of site.

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Photo #31 View of janitorial closet with sink next to 5-gallon floor finish located on northwest side of building.

Photo #32 View of hazardous materials storage area located on the north side of the site.

Photo #33 View of used gas/ oil storage located in hazardous materials storage area.

Photo #34 View of 5-gallon used battery container located in hazardous materials storage area.

Photo #35 View of natural gas powered emergency generator located on the north side of the roof.

Photo #36 View of the solid waste compactor located on the northwest side of the site.

Photo #37 Typical view of pad-mounted transformer located on northwest side of site.

Photo #38 View of asphalt paved parking lot and BJ Restaurant (600 Brea Mall) located to the adjoining southwest of the site.

Photo #39 View of asphalt-paved parking lot and The Cheesecake Factory (120 Brea Mall) located to the adjoining southeast of the site.

Photo #40 View of four story parking garage and Image Auto Detailing (503 Brea Mall) located to the adjoining northwest of the site.

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APPENDIX F
CREDENTIALS

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ISLAM (SAMI) R. NOAMAN, E.I.T.
SENIOR PROJECT MANAGER

Professional Experience

Mr. Noaman is a Senior Project Manager in Terracon's Orange County, California office. He has over 11 years experience in environmental services including Phase I Environmental Site Assessments (ESAs), Limited Site Investigations (LSIs), and Remedial Investigations (RIs). He has conducted over 200 site assessments on vacant tracts, retail centers, multi-family housing, downtown properties, office buildings, industrial properties, and landfill sites. He prepares environmental site assessment and environmental site investigation reports. Mr.Noaman is also proficient in interaction and coordination with local, state, and federal regulatory agencies.

Phase I ESA 1527-05/13

Managed over two hundred Phase I ESAs based on the ASTM E1527-05/13 AAI standards. Management of tasks including proposal preparation, client interaction, site reconnaissance, and assigning research tasks to staff professionals. Mr. Noaman has participated in development of findings, conclusions, and recommendations throughout the ESA. Project experience includes industrial properties, mid- and high-rise office buildings, natural resources sites, multi-family residential properties, services stations, shopping centers, landfills, and dry cleaners. The following are examples of specific projects:

Phase I ESA Portfolios

Mr. Noaman has managed several ESA Portfolios including 10 water processing facilities, 12 commercial and retail properties, 30 telecommunication tower sites, and eight grocery store sites in Southern California.

Phase II Environmental Site Assessment

Mr. Noaman managed multiple Limited Site Investigations and Comprehensive Phase II ESA projects including dry-cleaning properties, auto repairing facilities, gasoline stations, and multiple industrial facilities. Mr. Noaman possesses extensive experience in data evaluation and validation.

LA Housing Partnership, 622-628 S. Alvarado St. LA

Pprepared a Phase I ESA of a mixed retail and residential apartment building. The Phase I ESA recommended further investigation to evaluate dry cleanining operations. Multiple Soil Vapor Investigations of former dry cleaning operations were conducted subsequent to the ESA.

Education

Bachelor of Science, Chemistry/Environmental Chemistry, 2002, City University of New York, City College of New York

Certifications

Certified Engineer In Training (CA) Certification No. EIT 171371

40-Hour OSHA Hazardous Waste Operations & Emergency Response Training Course

Work History

Terracon Consultants, Inc. (Irvine, CA), Senior Project Manager, June 2012 to Present

Smith Emery GeoServices (SEG), (Los Angeles, CA), Project Manager, August 2008 to June 2012

KLK Environmental Group LLC. (Kearny, NJ). Environmental Scientist August 2003 to June 2008

UniChem Inc. (Kearny, NJ). Staff Environmental Chemist August 2002 to June 2003

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Gutierrez Financial-multiple locations, Los Angeles, CA

Mr. Noaman managed this project whch consisted of removal of two 10,000-gallon, two 4,000-gallon, two 2,000-gallon, and one 550-gallon gasoline/diesel/waste oil USTs. Responsibilities associated with this project included coordination/interaction with client, contractors, and regulators, field activities, data evaluation, and report evaluation. A No Further Action status was obtained for the client.

Los Angeles Unified School District (LAUSD Sites)

Managed soil certification and soil characterization projects for export/import soils for over nine Los Angeles Unified School District (LAUSD) school sites. Responsibilities were to prepare Sample Strategy Plans (SSP), implementation of sampling strategies proposed, preparation of soil certification reports, and submittal of reports to the LAUSD Office of Environmental Health (OEHS).

Stormwater Prevention and Pollution Control Plan (SWPPP)

Mr. Noaman has managed six freight facility SWPPP projects in Southern California. Mr. Noaman responsibilities include client and agency interaction, implementation of guidelines required by the state of California Water Resources Board, and preparation of required documents/reports.

Newton Plastics, Newton, NJ

Responsibilities were to manage the removal of two 12,000-gallon tanks containing solvents and gasoline. Phase II environmental site assessment at a plastic container manufacturing company. Mr. Noaman managed and assisted in report preparation, field activities, data evaluation, client and agency interactions, and report preparation. A No Further Action letter from the New Jersey Department of Environmental Protection (NJDEP) was obtained for the client.

Eagle Electric, NYC, NY

Responsibilities were to manage the clean-up of a former coal storage facility located in the basement of a landmark building in NYC. The clean-up activities included the removal of 412 tons of HAZMAT, management and safety supervision of multi-person crew, coordination for hazmat transportation and disposal, and client contact.

AROL Chemicals, Newark, NJ

Responsibilities were to complete a Phase I ESA on the subject site. The follow up Phase II included the removal of three 12,000-gallon USTs from a chemical plant and soil clean-up by excavation and disposal. Managed all client/contractors communications and scheduling.

Goblin Lighting, Staten Island, NY

Supervised the removal of five 500-gallon gasoline and one 1,100-gallon waste oil USTs and the clean-up of approximately 453 tons of gasoline contaminated soils. Communicated with the client, contractors, and disposal facilities (transfer station) and ensured the implementation of a Health and Safety Plan put in place for the project.

KeySpan Energy, NY

Mr. Noaman Managed the KeySpan project, which consisted of evaluation of boilers and above-ground tank systems and implementation of methods to prevent excessive scaling within these systems. Objectives were achieved by the development of a pH-controlled chemical reagent that was utilized by the client on a regular basis.

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Hach Company, OH

Mr. Noaman played an important role in research and development of mass production of Ferrozine, an iron reagent used for determining trace levels of iron in chemical reagents and glycols. Ferrozine can also be used to analyze samples containing magnetite (black iron oxide) or ferrites.

KIWA of the Netherlands

Research and development associated with new synthetic methods to produce alkali Ferrates including potassium, sodium, and barium ferrates. Alkali ferrates are considered environmentally friendly oxidative reagents, used in wastewater treatment for municipal and industrial facilities.

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CARL A. PARTEN
OFFICE MANAGER

PROFESSIONAL EXPERIENCE

Mr. Parten has over twenty-two years of experience in environmental site investigations and remediation studies for Industrial and Hazardous Waste sites, municipal solid waste landfill sites and underground storage tank (UST) facilities. He was the Risk Assessment and Corrective Action Manager for Terracon's Dallas office before taking over the Orange County location as Office Manager.

He has successfully managed and obtained regulatory closure of over 30 Voluntary Cleanup Program (VCP) sites and leaking underground storage tank (LUST) facilities, and coordinated UST removal and closure for numerous facilities in multiple states throughout the United States. Mr. Parten possesses extensive experience in the installation of monitor wells, aquifer characterization, sensitive receptor surveys, and risk-based assessments. Additionally, he has extensive experience in comprehensive soil and groundwater investigations on industrial facilities and municipal solid waste (MSW) landfill facilities, including evaluation of landfill gas/methane impacts. He has prepared and implemented corrective action work plans for remediation of chlorinated hydrocarbons at dry cleaner facilities and petroleum hydrocarbons at LUST facilities, MSW landfill facilities, and managed and implemented groundwater pump and treat, non-aqueous phase liquid (NAPL) recovery, and duel-phase vapor extraction systems for the recovery of petroleum hydrocarbons. Additionally, Mr. Parten developed work plans and implemented the remediation of heavy metals and poly-nuclear aromatic hydrocarbons (PAHs).

PROJECT EXPERIENCE

Municipal Landfill – VCP Site

Successfully oversaw and managed the engineering design and construction quality assurance for the closure and restoration of a high-profile MSW landfill in accordance with regulatory standards, subsequent to significant investigation activities. The remedy consisted of removal and consolidation of wastes and construction of LFG recovery trenches to prevent migration of landfill gas. The remedy utilized engineering controls and removal of impacted media. Project management responsibilities included coordination with Local, State and Federal officials, public/neighborhood communications, and interaction with attorneys, and management of project budgets that exceeded $4.5 million over seven years. Terracon continues to provide post closure care monitoring and O&M for the site.

Department of Transportation Contract

Successfully managed a two-year environmental services contract with the Texas Department of Transportation (TxDOT) and coordinated multiple Terracon offices to provide geographic coverage of environmental consulting service throughout Texas. Mr. Parten was the liaison to TxDOT for the performance of environmental consulting services, and provided senior technical review of environmental investigations, Phase I ESAs,

Education

Bachelor of Science, Geology, Sul Ross State University, Alpine, Texas, 1994

Additional Courses:
University of Houston TCEQ Texas Risk Reduction Program (TRRP) Training Program I, II, and III

Roadmap to Remediation

CAPM Refresher Course, Texas A&M University

TNRCC Hazardous Waste Seminar

TNRCC PST Risk Assessments Seminar

TNRCC Pollution Prevention Training Workshop

API Risk/Exposure Assessment

Contaminant Fate and Transport Modeling in Risk Assessment

Environmental Hydrology and Soil Science

Certifications

Licensed Professional Geoscientist (P.G.), I.D. # 221, Texas Board of Professional Geoscientists, March 2003 (current)

Registered Professional Geologist (P.G.), I.D. # 004037; State of Tennessee, May 1996 (current)

TCEQ Corrective Action Project Manager, CAPM #01091 (current)

40 Hour OSHA Hazardous Waste Site & Waste Management Training

Affiliations

BDA/Orange County
CMAA
Groundwater Resource Assoc.
Geological Society of America

Work History

Terracon Consultants, Inc. (Irvine), Principal, Office Manager, August 1998 to Present

ATC (formerly ATEC) Associates, Inc. - Dallas, Texas, Senior Project Manager April 1990 to August 1998

Terratech, Inc. - San Jose, California, Environmental and Geotechnical Technician February 1989 to March 1990

Woodward-Clyde Consultants - San Jose, California, Environmental and Geotechnical Technician March 1987 to February 1989

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removal of underground storage tanks, remediation of affected media and waste management, asbestos and lead-based paint investigations, and management of financial metrics and budgets in strict conformance with negotiated fees and procedures under a $2,000,000 contract.

City-Operated LUST Facilities

Provided senior project management of 14 City operated LUST facilities through coordination of investigation, regulatory reporting and response actions in the pursuit of closure. Mr. Parten was responsible for managing all site activities, evaluation of data, reporting, communicating with local and state officials, and management of budget and schedule requirements.

Municipal Property

Provided senior project management and technical review of several properties, including the remediation of metals and PAH-impacted soils, using a combination of excavation and removal and in-place stabilization. Work was performed under the EPA Brownfields Program and the Voluntary Cleanup Program. The $1.2 million dollar remediation project was part of a high-profile downtown parks and recreation redevelopment project that successfully established LEED Certified public parks in areas once occupied by commercial and industrial property. Mr. Parten was responsible for managing all site activities, evaluation of data, reporting, communicating with local and state officials, and management of budget and schedule requirements.

3.023-Acre Tract – VCP Site

Successfully managed a Phase I ESA and subsequent comprehensive site investigation to evaluate historical site activities and non-native fill material. Chemicals of concern included VOCs, TPH, metals and PAHs in on-site soil and groundwater. Subsequent to completion of a risk-based assessment, response actions including remediation of approximately 1,500 cubic yards of impacted soils was performed to obtain a voluntary cleanup program Certificate of Completion. Mr. Parten was responsible for managing all site activities, evaluation of data, reporting, and communication with state officials.

Retail Shopping Center – VCP Site

Conducted extensive site investigation activities to evaluate the magnitude and extent of chlorinated solvents identified in the vicinity of a former dry cleaners facility. The chlorinated solvent plume was defined to drinking water standards and was delineated to a creek channel nearly 1,200 feet from the source property. Based on site investigation results, assisted the property owner in entering the site into the VCP, and managed and implemented response actions and treatment of affected media utilizing a combination of source-removal/excavation (750 cubic yards) within the building interiors, hydrogen-releasing compound (HRC®) treatment of backfill, and HRC injection into the underlying soil and groundwater across the site. Treatment technology effectively remediated affected soils and significantly reduced contaminant levels within the on-site source areas. Additional response actions were conducted to reduce on-site groundwater contamination levels through HRC injection at over 250 locations. Monitored natural attenuation and groundwater monitoring was performed for a period of approximately four years. Mr. Parten assisted the client in the establishment of a deed restriction (Municipal Setting Designation) that restricted the use of groundwater on the site. Mr. Parten interacted with City and State officials and prepared and submitted multiple reports documenting site activities, and managed a project budget totaling $1,200,000.

Additional Project Experience

Under the direction and senior technical review by Mr. Parten, final site closure has been obtained for over thirty VCP, Innocent Owner/Operator Program, LUST, and Industrial and Hazardous Waste facilities in multiple states across the United States. Additionally, Mr. Parten has coordinated and managed the removal of dozens of underground storage tank (UST) systems and remediation of contaminated soil and groundwater. Mr. Parten has provided expert testimony on multiple projects, and is a primary point of contact interacting with environmental attorneys and regulatory agencies.

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APPENDIX 4

Environmental Risk Information Services Report

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APPENDIX 5

Historical Documentation

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HISTORICAL AERIAL REPORT

for the site:
Sears Brea Mall
100 Brea Mall
Brea, CA
PO #:

Report ID: 20180103060
Completed: 1/3/2018

ERIS Information Inc.
Environmental Risk Information Services (ERIS)
A division of Glacier Media Inc.
T: 1.866.517.5204
E: info@erisinfo.com

www.erisinfo.com

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Search Results Summary

Date	Source	Scale	Comment
2016	**NAIP** - National Agriculture Information Program	1"=500'	
2014	**NAIP** - National Agriculture Information Program	1"=500'	
2012	**NAIP** - National Agriculture Information Program	1"=500'	
2010	**NAIP** - National Agriculture Information Program	1"=500'	
2009	**NAIP** - National Agriculture Information Program	1"=500'	
2005	**NAIP** - National Agriculture Information Program	1"=500'	
1995	**USGS** - US Geological Survey	1"=500'	
1987	**NHAP** - National High Altitude Photography	1"=500'	
1980	**USGS** - US Geological Survey	1"=500'	
1975	**USGS** - US Geological Survey	1"=500'	*BEST COPY AVAILABLE*
1972	**USGS** - US Geological Survey	1"=500'	
1963	**USGS** - US Geological Survey	1"=500'	*BEST COPY AVAILABLE*
1960	**FAIRCHILD** - Private Company	1"=500'	*BEST COPY AVAILABLE*
1952	**ASCS** - Agriculture and Soil Conservation Service	1"=500'	
1934	**FAIRCHILD** - Private Company	1"=500'	*BEST COPY AVAILABLE*
1928	**FAIRCHILD** - Private Company	1"=500'	

Date: **2016**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

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ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204

Date: **2014**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

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ENVIRONMENTAL RISK INFORMATION SERVICES

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Date: **2012**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

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Date: **2010**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

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Date: **2009**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

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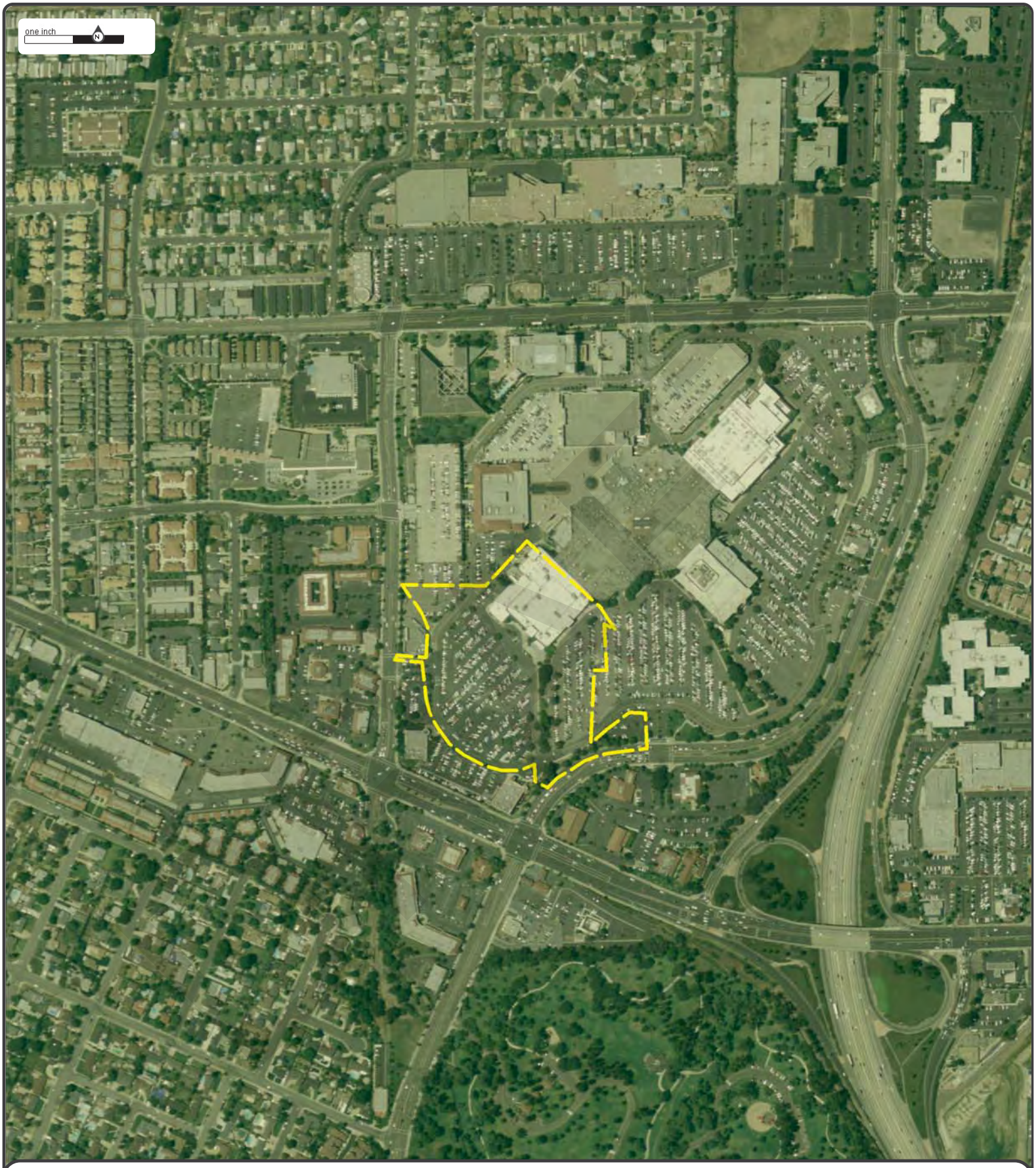

Date: **2005**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

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Date: **1995**
Source: **USGS**
Scale: **1" to 500'**
Comments:

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

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Date: **1987**
Source: **NHAP**
Scale: **1" to 500'**
Comments:

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204

Date: **1980**
Source: **USGS**
Scale: **1" to 500'**
Comments:

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204

Date: **1975**
Source: **USGS**
Scale: **1" to 500'**
Comments: *BEST COPY AVAILABLE*

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204

Date: **1972**
Source: **USGS**
Scale: **1" to 500'**
Comments:

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204

Date: **1963**
Source: **USGS**
Scale: **1" to 500'**
Comments: *BEST COPY AVAILABLE*

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204

Date: **1960**
Source: **FAIRCHILD**
Scale: **1" to 500'**
Comments: *BEST COPY AVAILABLE*

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204

Date: **1952**
Source: **ASCS**
Scale: **1" to 500'**
Comments:

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204

Date: **1934**
Source: **FAIRCHILD**
Scale: **1" to 500'**
Comments: *BEST COPY AVAILABLE*

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204

Date: **1928**
Source: **FAIRCHILD**
Scale: **1" to 500'**
Comments:

Subject: 100 Brea Mall Brea CA
Approx Center: 33.91381 / -117.8879

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204

TOPOGRAPHIC MAP RESEARCH RESULTS

Date: 2018-01-03

Project Property: 1065 Brea Mall, Brea, CA

ERIS Order Number: 20180103060

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

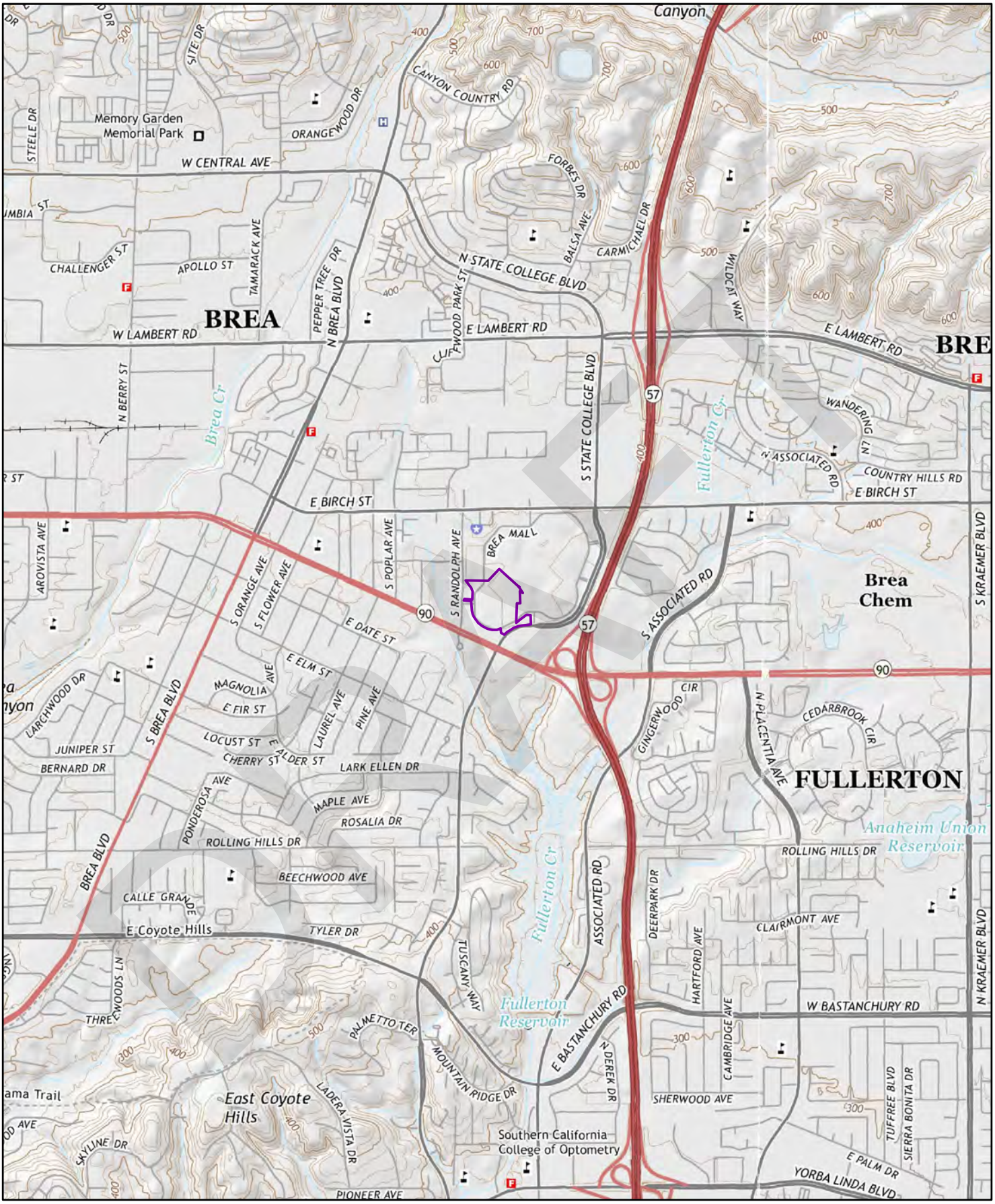
Year	Map Series
2015	7.5
1981	7.5
1974	7.5
1972	7.5
1964	7.5
1952	7.5
1950	7.5
1935	7.5
1928	7.5
1925	7.5
1942	15
1901	15
1898	15
1896	15

DRAFT

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.

No warranty of Accuracy or Liability for ERIS: *The information contained in this report has been produced by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS. This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.*

Address: 38 Lesmill Road Unit 2, Toronto, ON M3B 2T5
Phone: 1-866-517-5204 Fax: 416-447-7658
info@erisinfo.com www.erisinfo.com



2015

0 0.2 0.4 0.8 Miles

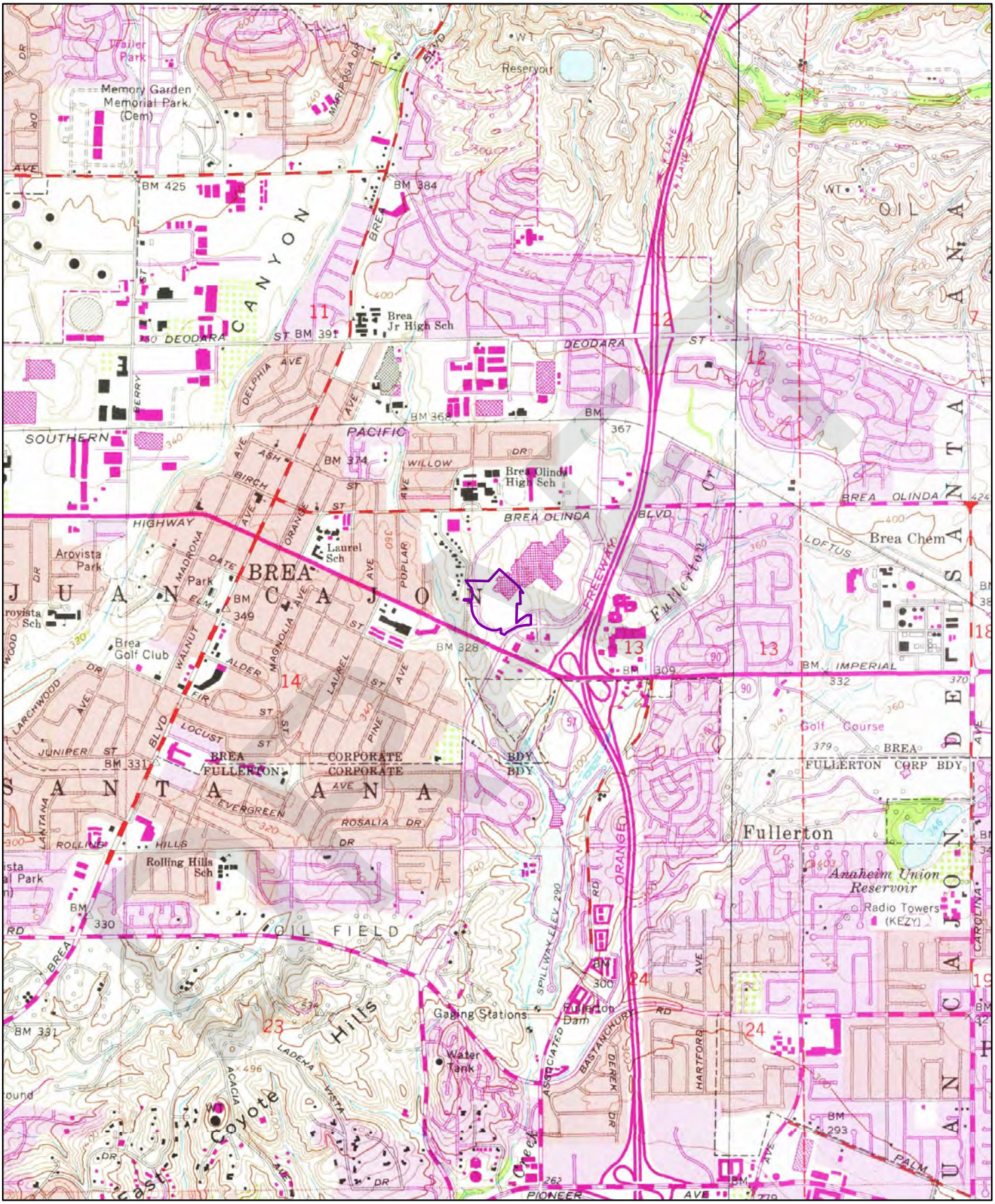
Order No. 20180103060

Quadrangle(s): La Habra,CA

Source: USGS 7.5 Minute Topographic Map

E-907

ERIS ENVIRONMENTAL RISK INFORMATION SERVICE



1981

0 0.2 0.4 0.8 Miles

Order No. 20180103060

Quadrangle(s): La Habra,CA

Source: USGS 7.5 Minute Topographic Map

E-908

ERIS ENVIRONMENTAL RISK INFORMATION SERVICE

1974

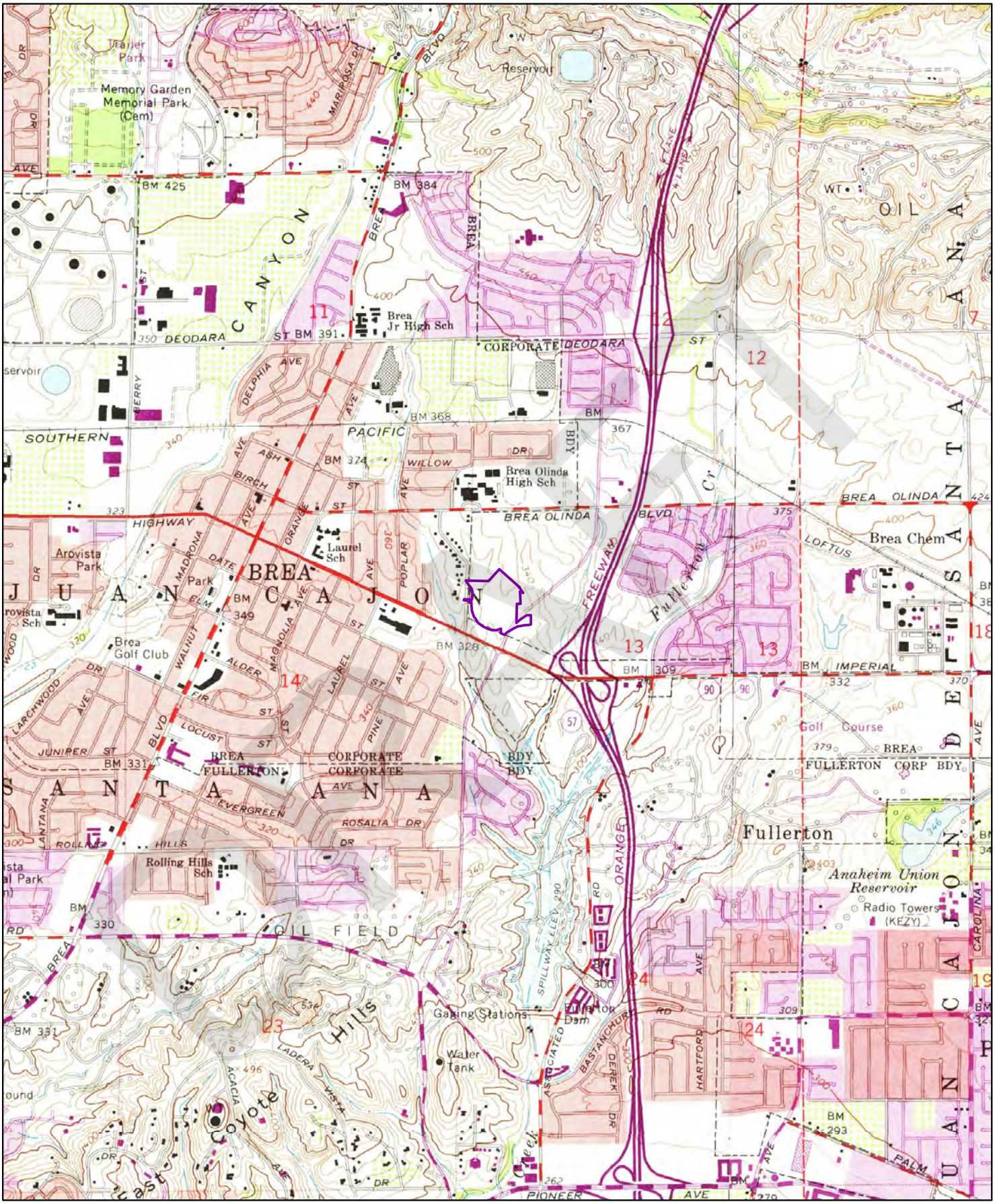
0 0.2 0.4 0.8 Miles

Order No. 20180103060

Quadrangle(s): La Habra,CA

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICE



1972

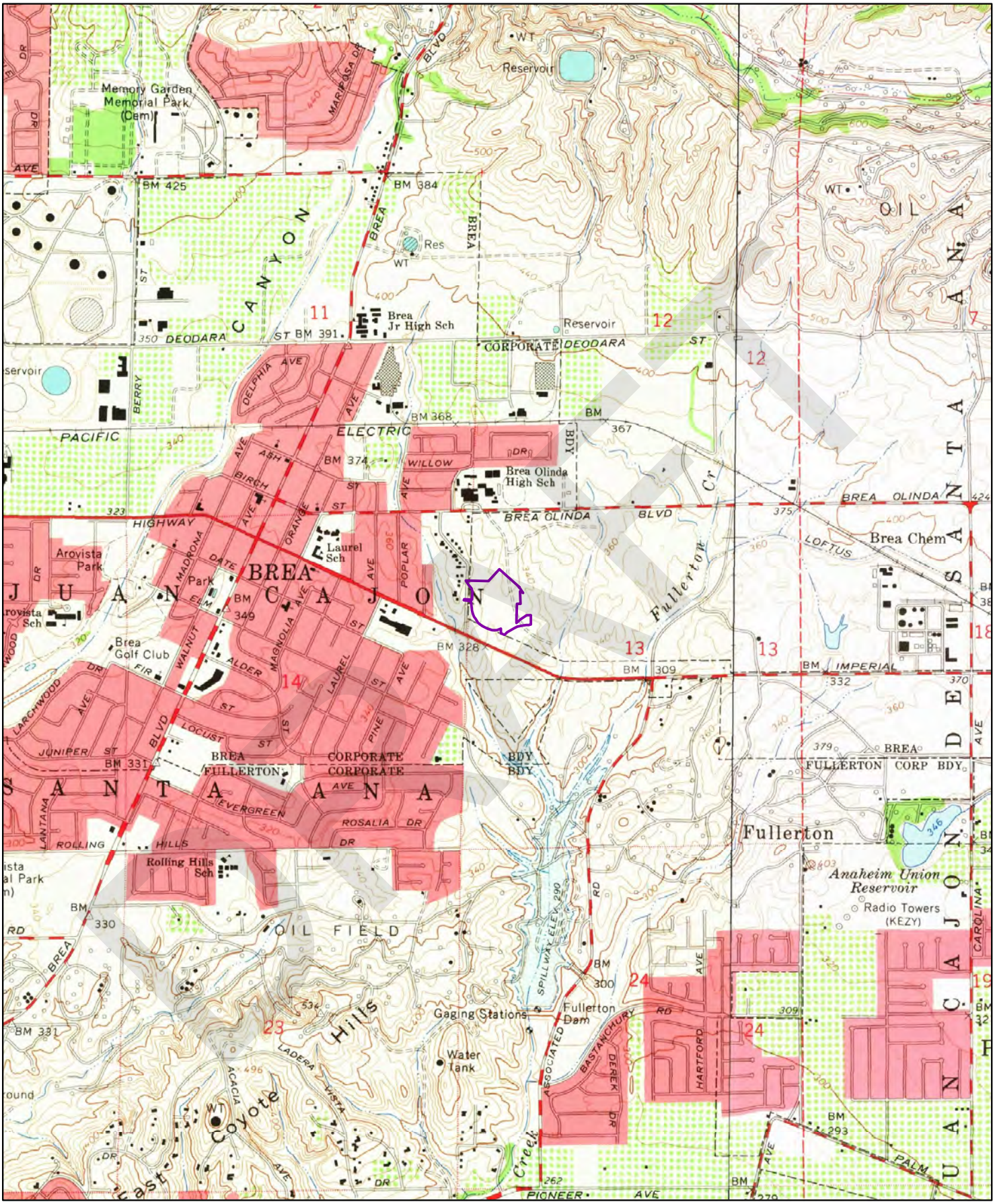
0 0.2 0.4 0.8 Miles

Order No. 20180103060

Quadrangle(s): La Habra,CA

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICE



1964

0 0.2 0.4 0.8 Miles

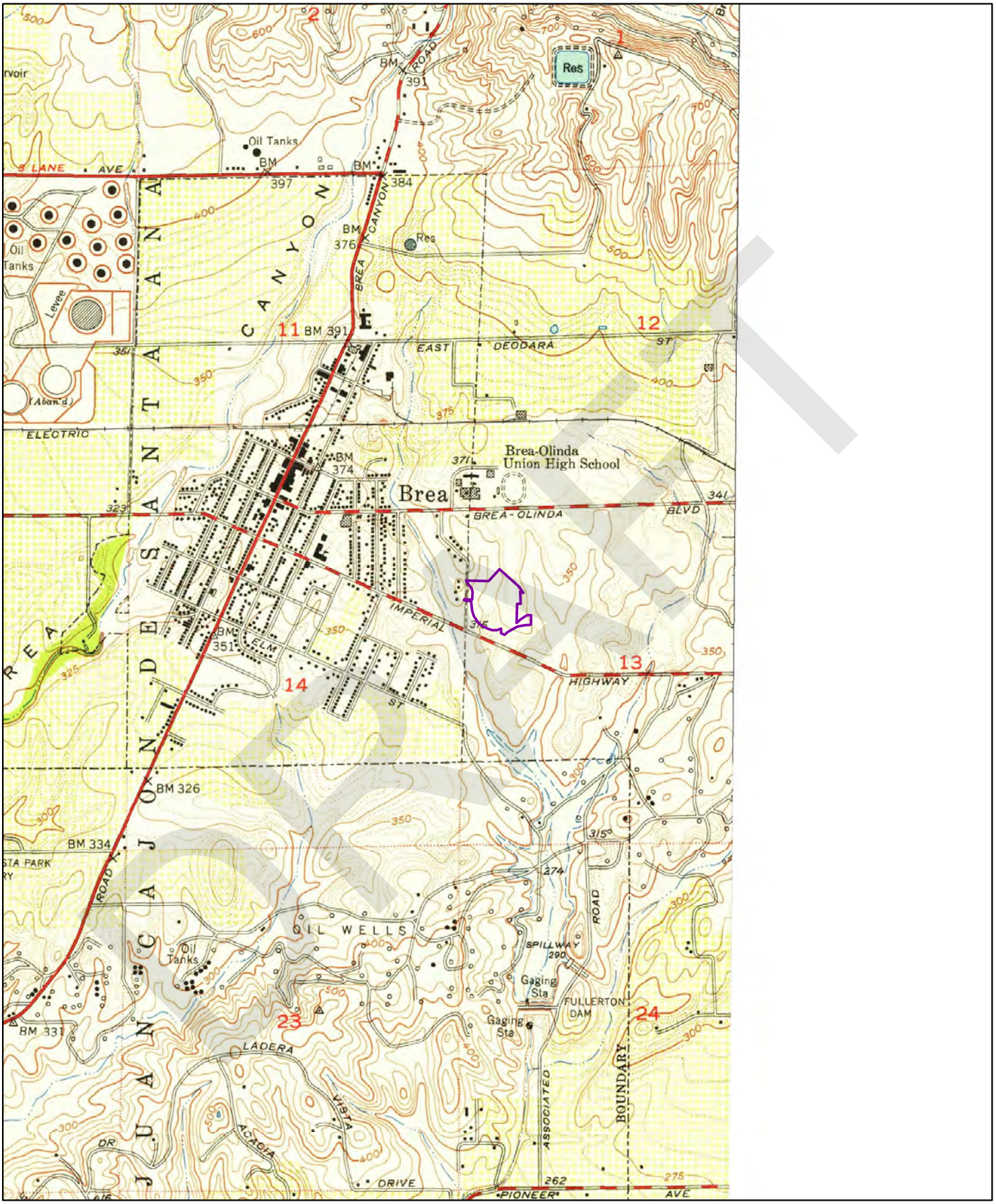
Order No. 20180103060

Quadrangle(s): La Habra,CA

Source: USGS 7.5 Minute Topographic Map

E-911

ERIS ENVIRONMENTAL RISK INFORMATION SERVICE



1952

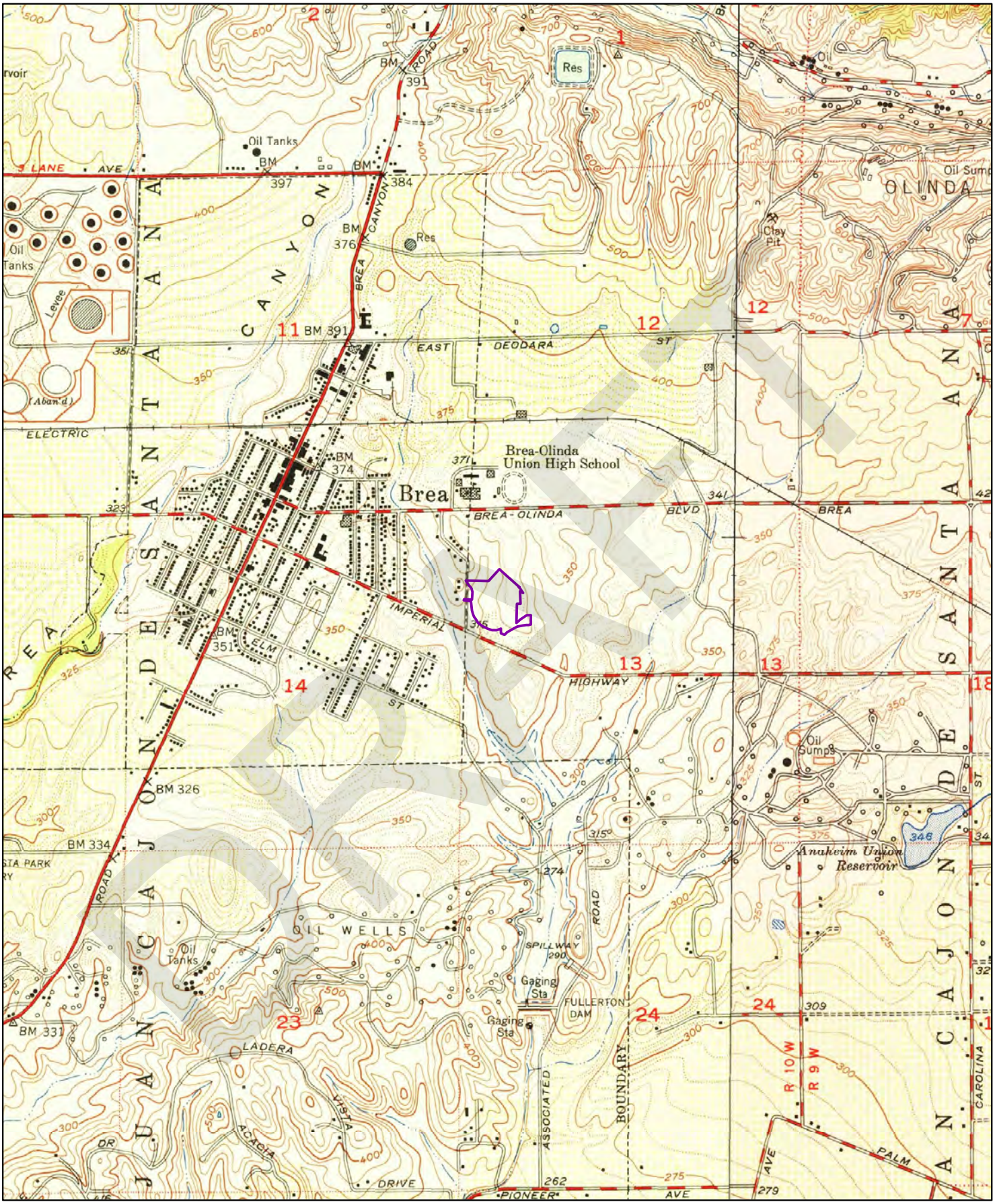
0 0.2 0.4 0.8 Miles

Order No. 20180103060

Quadrangle(s): La Habra,CA

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICE



1950

0 0.2 0.4 0.8 Miles

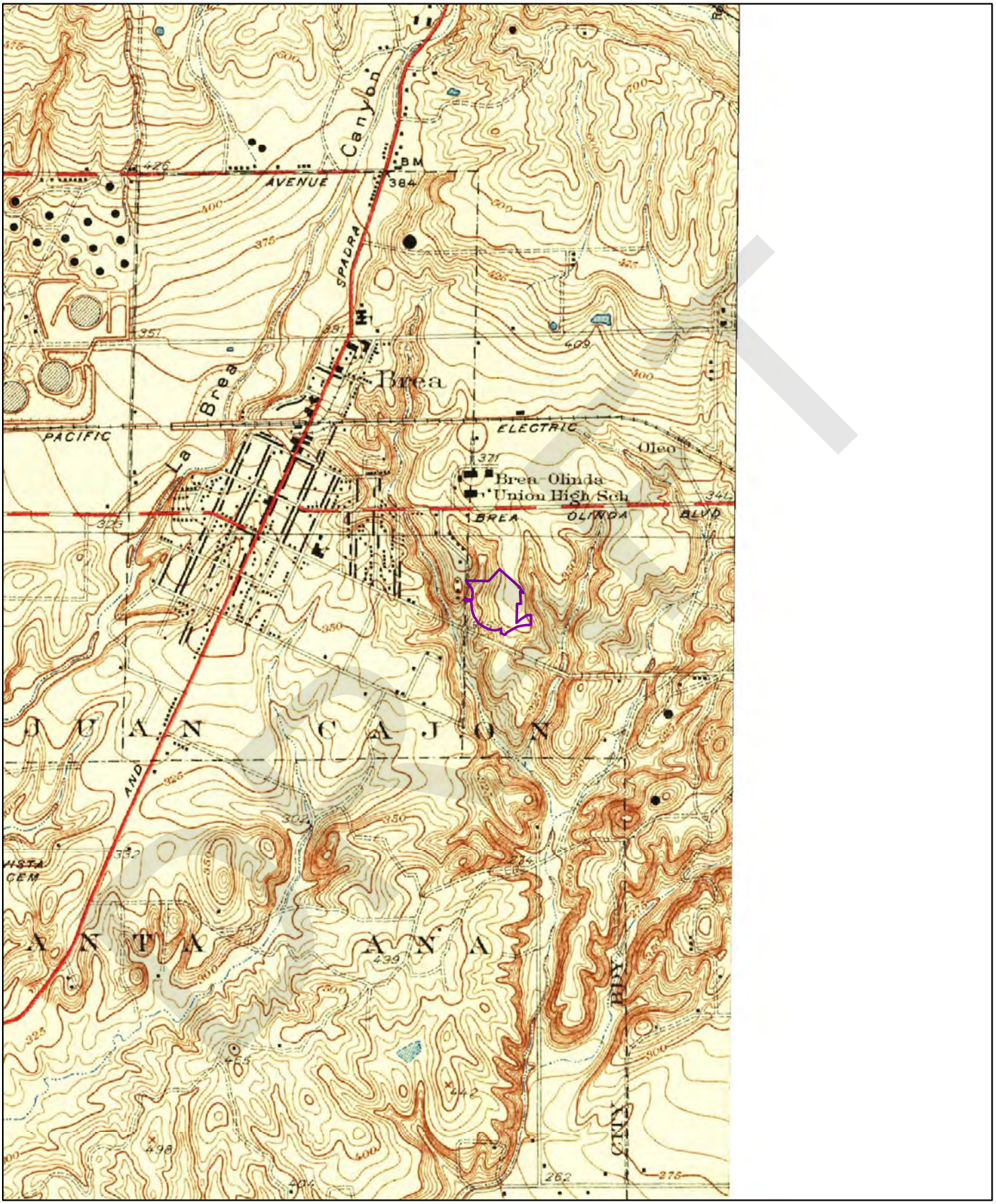
Order No. 20180103060

Quadrangle(s): La Habra,CA

Source: USGS 7.5 Minute Topographic Map

E-913

ERIS ENVIRONMENTAL RISK INFORMATION SERVICE



1935

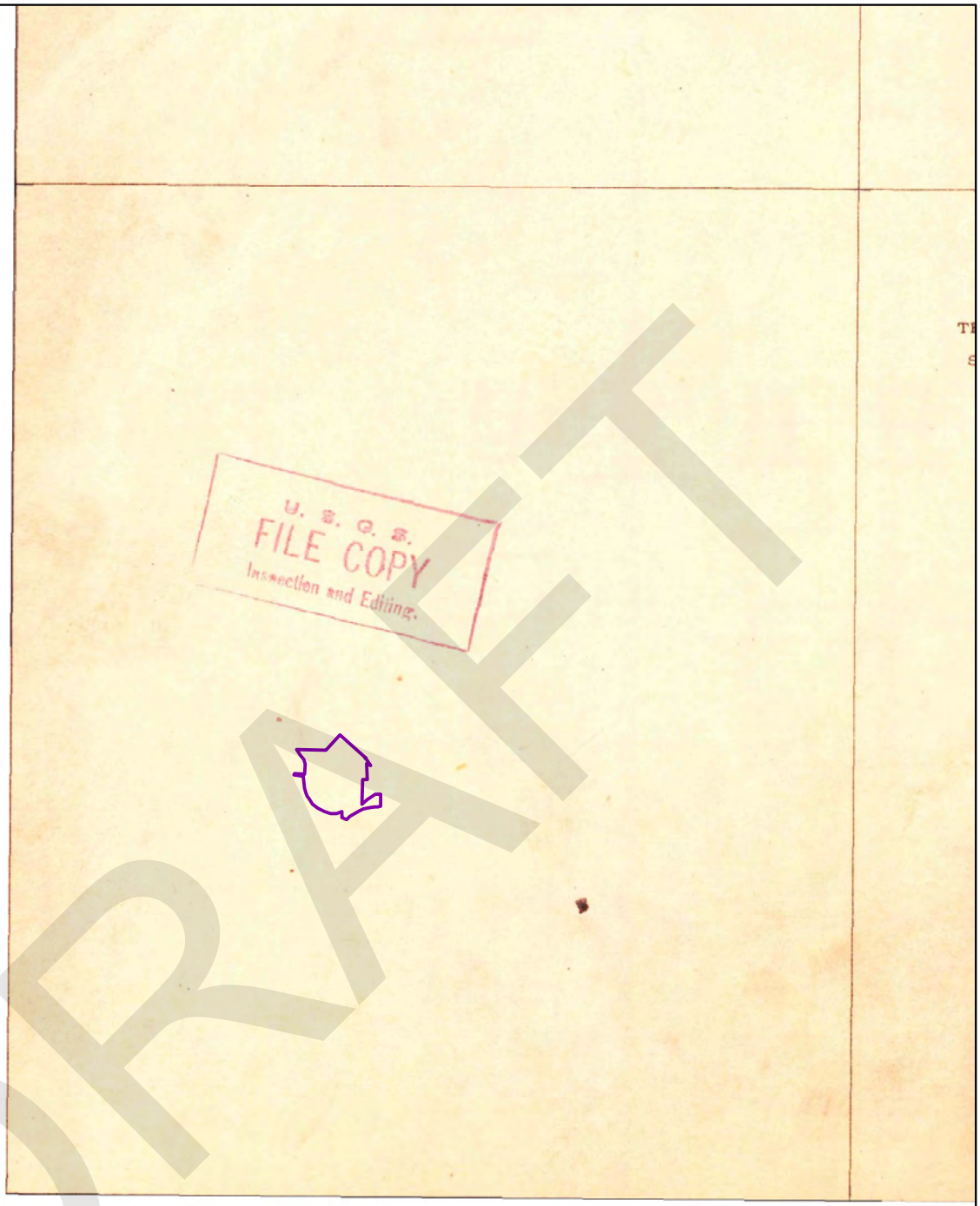
0 0.2 0.4 0.8 Miles

Order No. 20180103060

Quadrangle(s): Coyote Hills,CA

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICE



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1928

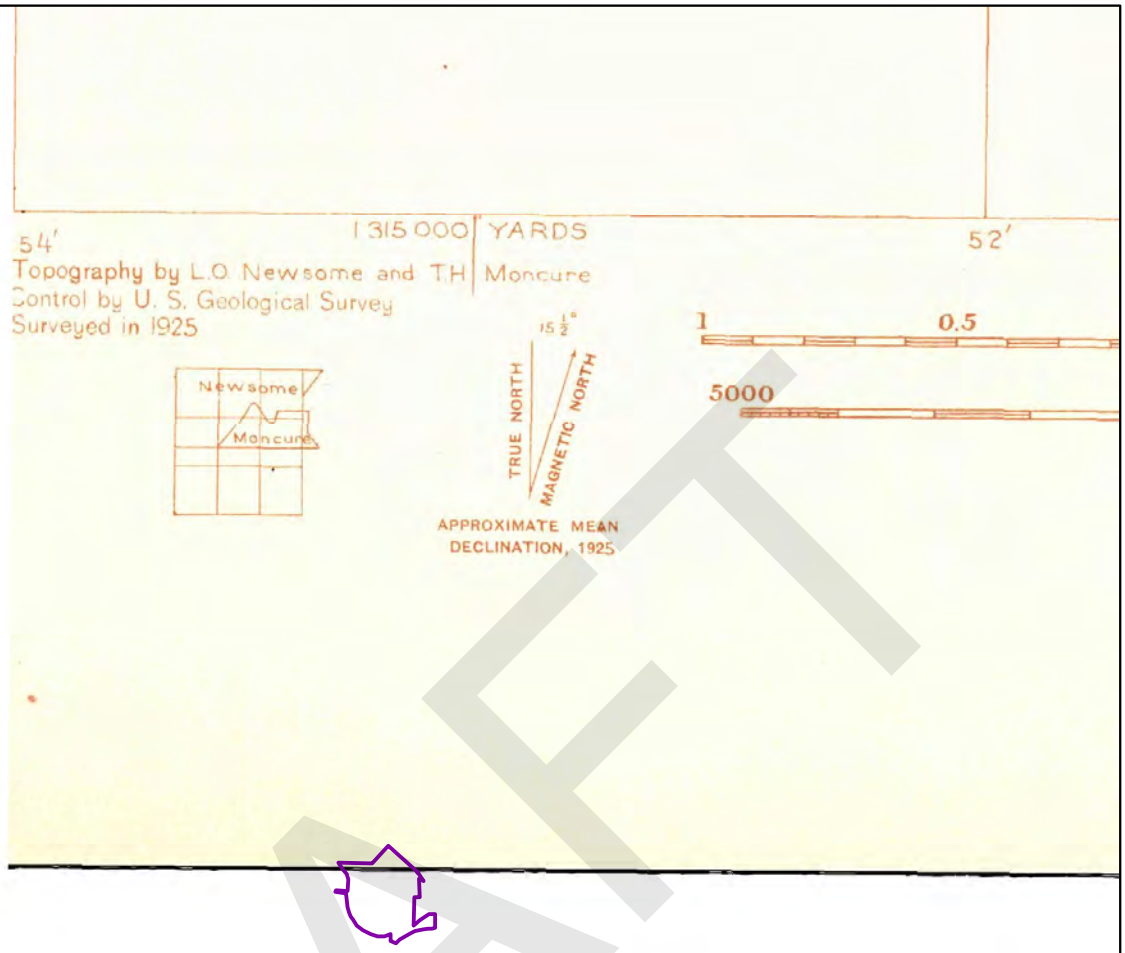
0 0.2 0.4 0.8 Miles

Order No. 20180103060

Quadrangle(s): La Brea,CA

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICE



DRAFT

1925

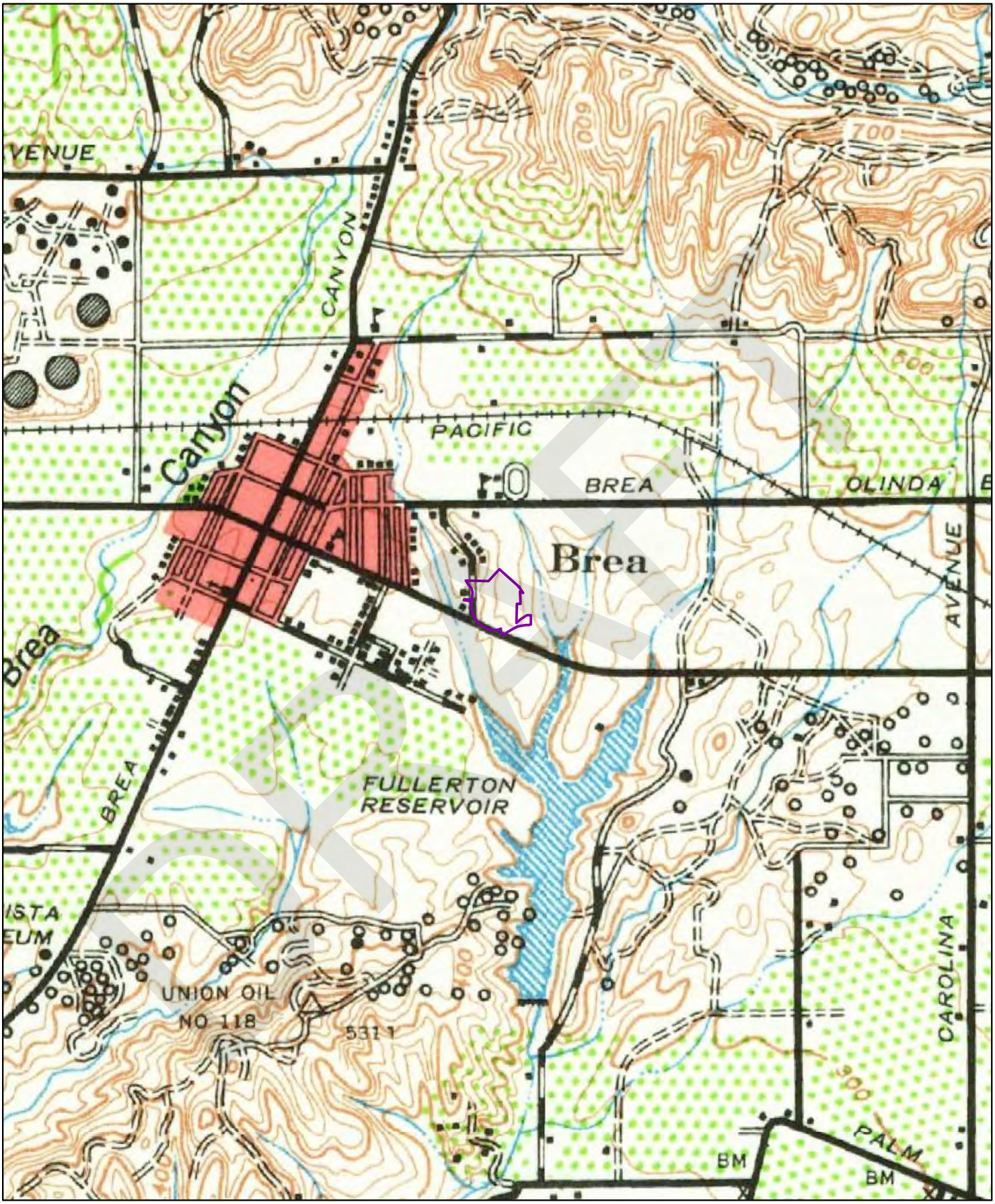
0 0.2 0.4 0.8 Miles

Order No. 20180103060

Quadrangle(s): La Brea,CA

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICE



1942

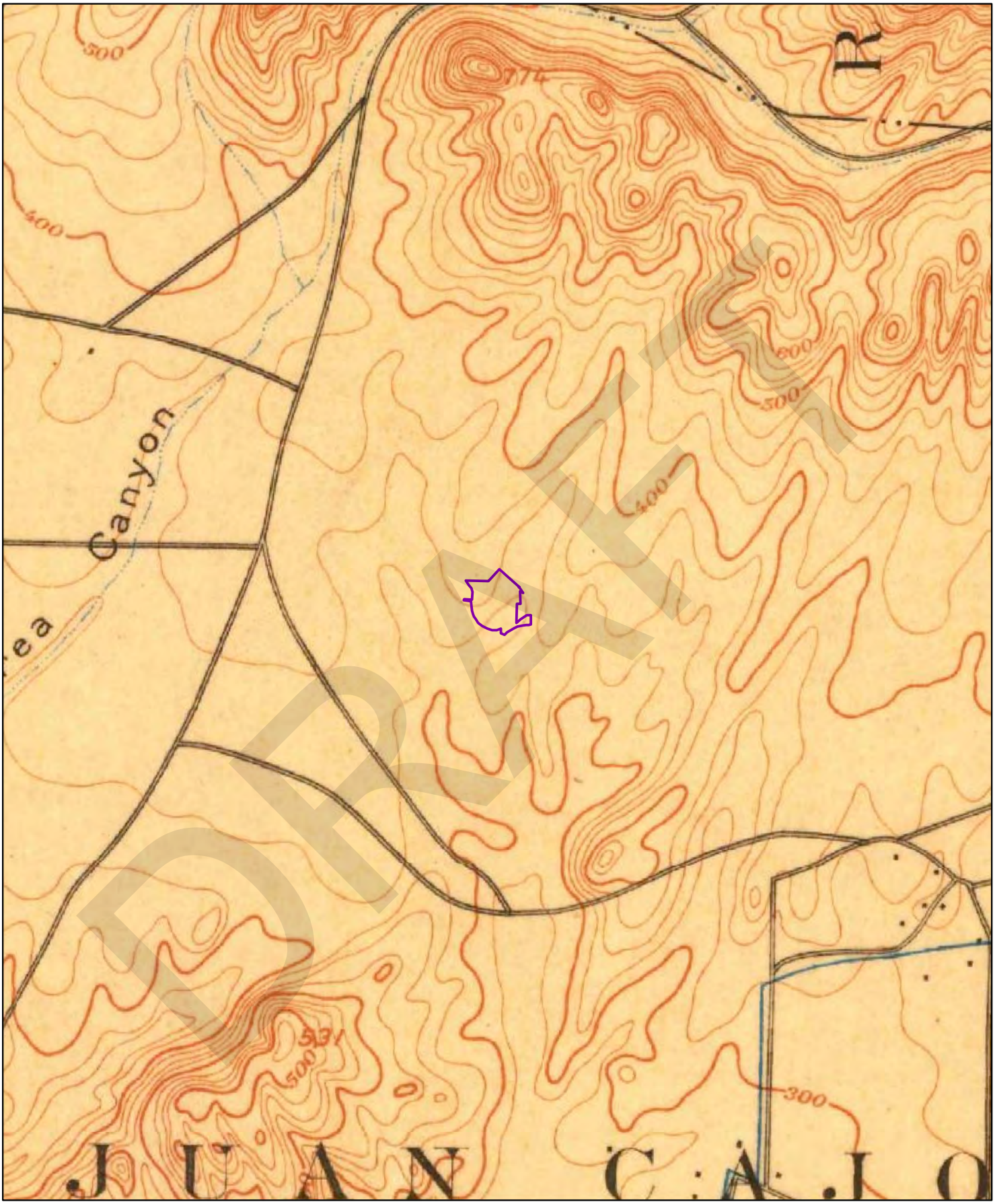
0 0.2 0.4 0.8 Miles

Order No. 20180103060

Quadrangle(s): Anaheim,CA

Source: USGS 15 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICE



1901

0 0.2 0.4 0.8 Miles

Order No. 20180103060

Quadrangle(s): Anaheim,CA

Source: USGS 15 Minute Topographic Map

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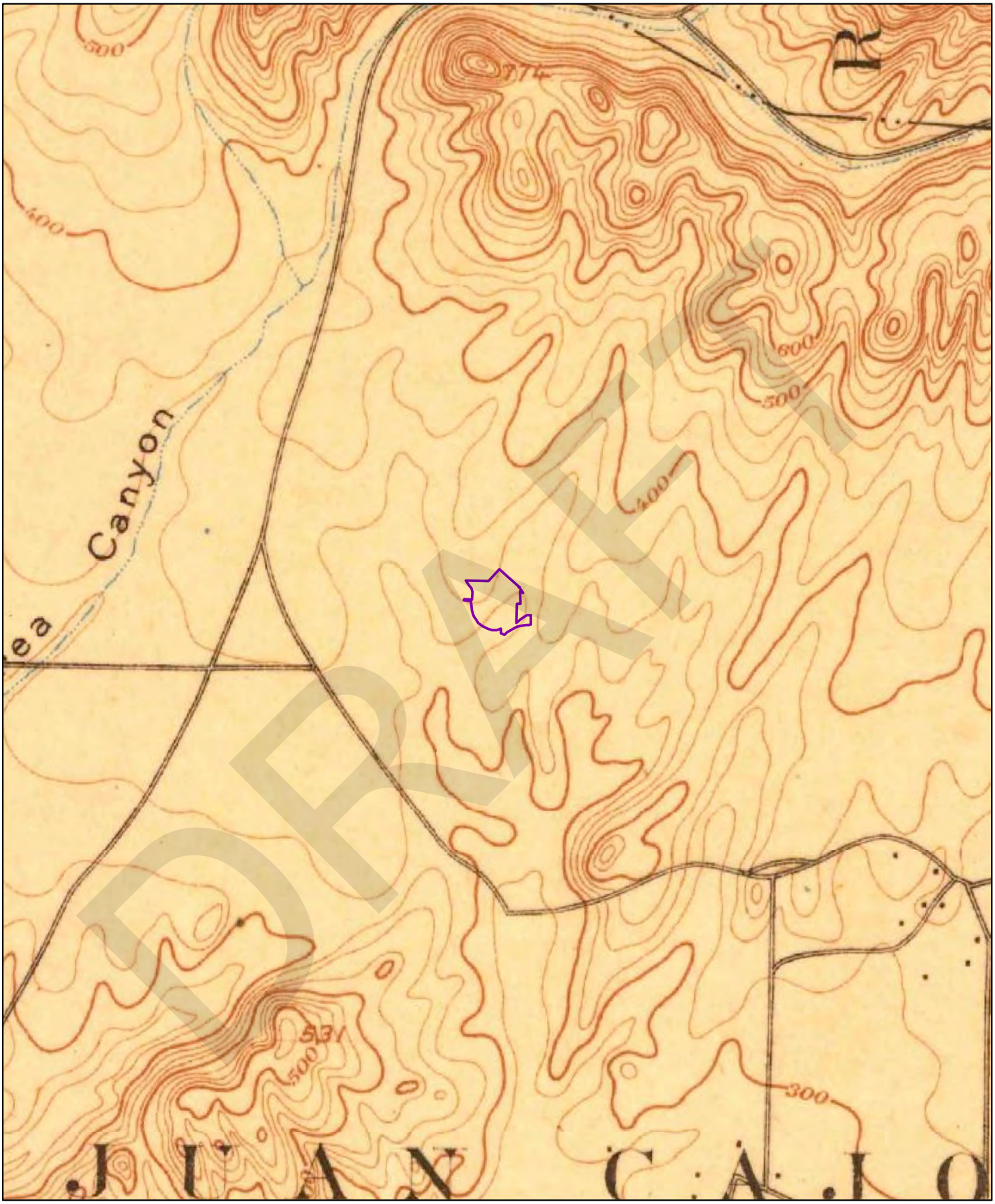
ERIS ENVIRONMENTAL RISK INFORMATION SERVICE



DRAFT

1898

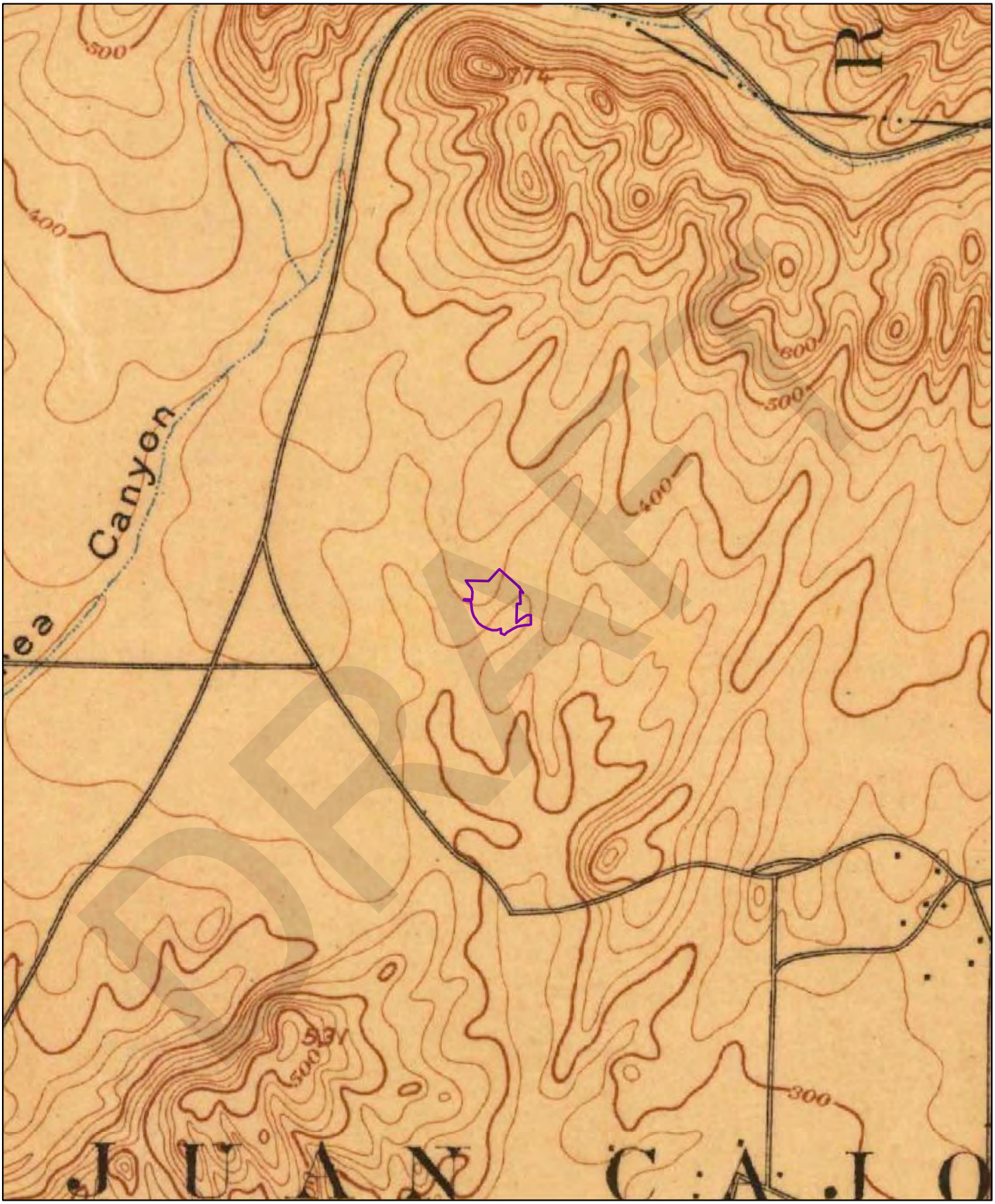
0 0.2 0.4 0.8 Miles

Order No. 20180103060

Quadrangle(s): Anaheim,CA

Source: USGS 15 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICE



1896

0 0.2 0.4 0.8 Miles

Order No. 20180103060

Quadrangle(s): Anaheim,CA

Source: USGS 15 Minute Topographic Map

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ERIS ENVIRONMENTAL RISK INFORMATION SERVICE

HISTORICAL DIRECTORY REPORT

for the site:

Sears Brea Mall
100 Brea Mall
Brea, CA
PO #:

Report ID: 20180103060
Completed: 1/8/2018

Ecolog ERIS Ltd.
Environmental Risk Information Service (ERIS)
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com

www.erisinfo.com

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Search Results Summary

Date	Source	Comment
2016	DIGITAL BUSINESS DIRECTORY	
2014	DIGITAL BUSINESS DIRECTORY	
2009	DIGITAL BUSINESS DIRECTORY	
2004	HAINES	
2000	HAINES	
1995	HAINES	
1990	HAINES	
1985	HAINES	
1980	HAINES	
1974	HAINES	
1972	HAINES	
1966	STREET ADDRESS DIRECTORY	
1960	STREET ADDRESS DIRECTORY	
1955	STREET ADDRESS DIRECTORY	

1/8/2018

RE: CITY DIRECTORY RESEARCH
Sears Brea Mall
100 Brea Mall Brea, CA

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:

100-400 of Brea Mall
100-255 of Randolph Avenue

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224 total records. Part 1 of 4

100 CRYSTAL EMPRESS...ENGRAVERS-GLASS
100 GARCIA JENNIFER E OD...OPTOMETRI
100 H&R BLOCK...TAX RETURN PREPARATIO
100 H&R BLOCK...TAX SCHOOLS & COURSES
100 MIRACLE-EAR HEARING AID CTR...HEA
100 OWYANG ANITA LYMON OD...OPTOMETR
100 SCHICTING-ORNE SANDRA AGT...INSU
100 SEARS...OPTICIANS
100 SEARS...DEPARTMENT STORES
100 SEARS APPLIANCE REPAIR...APPLIANC
100 SEARS AUTO CTR...AUTOMOBILE REPAI
100 SEARS BREA HOME FASHION...HOUSEWA
100 SEARS HEARING AID CTR...HEARING A
100 SEARS HOME SVC...APPLIANCES-HOUSE
100 SEARS OPTICAL...OPTICAL GOODS STO
100 SEARS PARTS REPAIR CTR...LAWN MO
100 TIME SERVICE OF LA INC...SERVICES
120 CHEESECAKE FACTORY...RESTAURANTS<
120 CHEESECAKE FACTORY...FOODS-CARRY
120 FASTEST GARAGE DOOR REPAIR BR...O
200 BENEFIT COSMETICS AT MACYS...COSM
200 MACY S...RETAIL SHOPS
200 MACY S...DEPARTMENT STORES
200 MACY S...DEPARTMENT STORES
200 MACY S...DEPARTMENT STORES
204 1 POTATO 2 INC...FULL-SERVICE RES
250 RED LOBSTER...RESTAURANTS
250 RED LOBSTER...FOODS-CARRY OUT
270 OLIVE GARDEN ITALIAN RSTRNT...RES
270 OLIVE GARDEN ITALIAN RSTRNT...FOO
300 SUNGLASS HUT...SUNGLASSES & SUN G
400 J C PENNEY CO...DEPARTMENT STORES
400 J C PENNEY CO...CLOTHING-RETAIL
400 J C PENNEY OPTICAL...OPTICAL GOOD
400 J C PENNEY OPTICAL...OPTICAL GOOD
400 J C PENNEY PORTRAIT STUDIO...PHOT
400 J C PENNEY SALON...BEAUTY SALONS<
500 ART OF SHAVING...BARBERS EQUIPMEN
500 NORDSTROM...DEPARTMENT STORES
500 PRO GARAGE DOORS BREA...DOORS-GAR
500 SUPER STEAM AT BREA...CARPET & RU
600 BJ S RESTAURANT & BREWHOUSE...BRE
600 BJ S RESTAURANT & BREWHOUSE...RES
1001 GLEN IVY DAY SPA...SPAS-BEAUTY &
1001 GLEN IVY DAY SPA...E-COMMERCE
1002 MEN S WEARHOUSE & TUX...FORMAL WE
1002 MEN S WEARHOUSE & TUX...MEN S CLO
1003 AUNTIE ANNE S PRETZELS...PRETZELS
1004 CHILDREN S PLACE...CHILDRENS & IN
1006 AMERICAN EAGLE OUTFITTERS...WOMEN
1006 AMERICAN EAGLE OUTFITTERS...CLOTH
1006 BEACHWORKS...SUNGLASSES & SUN GOG
1006 HICKORY FARMS OF OHIO...ALL OTHER
1008 FOOT LOCKER...SHOES-RETAIL
1009 NATURALIZER SHOES...SHOES-RETAIL<
1010 KAY JEWELERS...JEWELERS-RETAIL
1011 MICHAEL KORS...CLOTHING-RETAIL
1011 SUNGLASS HUT...SUNGLASSES & SUN G
1012 BOSE CORP...STEREOPHONIC & HIGH F
1020 JANIE & JACK...CHILDRENS & INFANT
1021 ECCO SHOES...SHOES-RETAIL
1022 BEN BRIDGE JEWELER...WATCHES-DEAL
1022 BEN BRIDGE JEWELER...JEWELERS-RET

2016 BREA MALL
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 4

1024 APPLE STORE...Electronic Stores
1024 APPLE STORE...Computer & Equipment Dealers
1025 FOREVER 21...Clothing-retail
1025 FOREVER 21...Women S Apparel-retail
1030 FASHION EXPO CORP...Business Service Centers
1032 LIFE UNIFORM...Uniforms
1033 RED ROBIN GOURMET BURGERS...Restaurants<
1033 RED ROBIN GOURMET BURGERS...Foods-carry Out
1034 KEVIN JEWELERS...Jewelers-retail
1035 JOURNEYS...Shoes-retail
1041 PANDORA JEWELRY...Jewelers-retail
1042 CATHY JEAN...Shoes-retail
1044 FAST FIX JEWELRY WATCH REPAIR...Lessors-nonresid
1044 GNC...Vitamin & Food Supplements
1044 GNC...Cosmetics & Perfumes-retail
1045 E COSWAY...General Merchandise-retail
1045 SAM S TAILORING & CUSTOM SHOP...Tailors<
1046 AZ ITALY...Clothing-retail
1048 FANZZ...Other Clothing Stores
1048 SIDECCA...Clothing-retail
1050 PAC SUN...Clothing-retail
1050 PAC SUN...Men S Clothing & Furnishings-retail
1052 COACH...Handbags
1052 COACH...Leather Goods-dealers
1054 SPECIALTY FASHION...Family Clothing Stores
1055 BABY GAP...Childrens & Infants Wear-retail
1055 GAP...Men S Clothing & Furnishings-retail
1055 GAP...Clothing-retail
1055 GAP KIDS...Clothing-retail
1060 CULPEPPERS POPCORN CANDY INC...Food Products-re
1062 ULINEAR HAIR INC...Beauty Salons
1063 JEWELERS BENCH...Jewelers-retail
1063 LOLLICUP...Snack & Nonalcoholic Beverage Bars
1064 LIZ S NAILS...Manicuring
1064 NAIL STUDIO...Manicuring
1064 SHOE CLINIC...Shoe & Boot Repairing
1065 A Z GOLD EXCH JEWELRY & WATCH...Gold Silver & Pl
1065 ABERCROMBIE KIDS...Childrens & Infants Wear-reta
1065 ALDO...Shoes-retail
1065 APPLE STORE...Electronic Equipment & Supplies-re
1065 BARE ESCENTUALS...Cosmetics & Perfumes-retail
1065 BELLA PIERRE...Cosmetology & Barber Schools
1065 BIBA BEAUTY CARE INC...Cosmetics Beauty Supplie
1065 BLACKHEART...Women S Apparel-retail
1065 BREA MALL...Shopping Centers & Malls
1065 BRIGHTON COLLECTIBLES...Collectibles
1065 BRIGHTON COLLECTIBLES...Boutique Items-retail
1065 BROW ARC...Hair Removing
1065 CALIFORNIA PIZZA KITCHEN...Pizza
1065 CALIFORNIA PIZZA KITCHEN...Restaurants
1065 CALIFORNIA UNITS LLC...Cellular Telephones-equip
1065 CAT GIRL...Unclassified Establishments
1065 CELL PLANET...Cellular Telephones [services]
1065 CELLULAR OUTLET INTL...Cellular Telephones-equip
1065 CHARLES DAVID...Shoes-retail
1065 CHARLEY S PHILLY STEAKS...Restaurants
1065 CHICKPITA MEDITERRANEAN...Restaurants
1065 CHIPOTLE MEXICAN GRILL...Restaurants
1065 CHIPOTLE MEXICAN GRILL...Full-service Restaurant
1065 COTTON ON...Clothing-retail
1065 DIAMOND WIRELESS...Cellular Telephones [services
1065 DOLL SWIM WEAR...Clothing-retail

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Part 3 of 4

1065 ECO ATM...Computer & Office Machine Repair
1065 ECOATM...Computer & Office Machine Repair
1065 ECOATM...Nonclassified Establishments
1065 ECOATM...Computer & Office Machine Repair
1065 FIESTA FANTASTIC MAGIC...Magicians Supplies
1065 FOSSIL ACCESSORY...Jewelers-retail
1065 FOSSIL ACCESSORY...Accessories-fashion
1065 GAMESTOP...Games & Game Supplies
1065 GAMESTOP...Computer Software
1065 GHOST ARMOR...Nonclassified Establishments
1065 GO! CALENDARS...Calendars [whls]
1065 GO! CALENDARS...Calendars [whls]
1065 GO! CALENDARS...Calendars [whls]
1065 GREEN ELECTRONICS EXCHANGE...Electronic Equipmen
1065 GUESS...Women S Apparel-retail
1065 GUESS...Clothing-retail
1065 H&M...Clothing-retail
1065 HAIR STYLER 2...Beauty Salons
1065 HOLLISTER CO...Clothing-retail
1065 HOLLISTER CO...Women S Apparel-retail
1065 JAMBA JUICE...Juice Bars
1065 JOHNNY ROCKETS...Restaurants
1065 KEDS...Shoes-retail
1065 KIEHL S...Cosmetics Beauty Supplies & Perfume S
1065 KITSON AT BREA MALL...Clothing Accessories Store
1065 KULA SUSHI USA INC...Restaurants
1065 L OCCITANE...Toilet Preparation Manufacturing
1065 LAMB & FLAG...Clothing-retail
1065 LOCCITANE INC...Cosmetic Manufacturers
1065 LOVE D...Shoes-retail
1065 MAC AT BREA MALL...Cosmetics-wholesale
1065 METALLIC MOMENTS...Engravers-photo [mfrs]
1065 MOBILE MAGIC OF CALIFORNIA...Cellular Telephones
1065 MODE PLUS...Clothing-retail
1065 MORE THAN A HAT...Hats-retail
1065 NUR BEAUTY...Cosmetics & Perfumes-retail
1065 OAKLEY...Nonclassified Establishments
1065 OKASAN TEPPAN YAKI...Restaurants
1065 PAPAYA CLOTHING...Clothing-retail
1065 PAUL MART STORE...Miscellaneous Retail Stores Ne
1065 PHILLA...Shoes-retail
1065 PIERCING PAGODA...Jewelers-retail
1065 PIERCING PAGODA...Ear Piercing Service
1065 POTATO CORNER...Restaurants
1065 POTTERY BARN...Furniture-dealers-retail<
1065 POTTERY BARN...Home Accessories & Furnishings
1065 PRECISION TIME WATCH REPAIR...Watches-repairing<
1065 Q FASHION...Clothing-retail
1065 QUICK I REPAIR...Computers-service & Repair
1065 RENAISSANCE FLOWERS & GIFTS...Florists-retail
1065 ROBERT WAYNE FOOTWEAR...Shoes-retail
1065 ROBERT WAYNE FOOTWEAR...Shoes-retail
1065 ROCKY MOUNTAIN CHOCOLATE...Candy & Confectionery
1065 ROSETTA STONE...Language Training Aids
1065 ROYAL CRYSTAL GALLERY...Jewelers-retail<
1065 SBARRO...Restaurants
1065 SBARRO...Pizza
1065 SEE S CANDIES CHOCOLATE SHOP...Candy & Confectio
1065 SEPHORA...Cosmetics & Perfumes-retail
1065 SHAPE MY IBROWS...Miscellaneous Personal Service
1065 SHOE PALACE...Shoes-retail
1065 SMART FIX...Cellular Telephones-equipment & Supl

2016 BREA MALL
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 4 of 4

1065 SOHO...Hair Weaving
1065 SPORTS TREASURES...Sportswear-retail
1065 STARBUCKS...Snack & Nonalcoholic Beverage Bars
1065 STEVE MADDEN...Shoes-retail
1065 SUCCESSORIES OF THE BREA MALL...Novelties-retail
1065 SUNGLASS HUT...Sunglasses & Sun Goggles<
1065 SURF CITY SQUEEZE...Juices-retail
1065 SURF CITY SQUEEZE...Juice Bars
1065 SWEET FACTORY...Candy & Confectionery-retail
1065 T-MOBILE...Cellular Telephones [services]
1065 TACO BELL...Restaurants
1065 TACO BELL...Foods-carry Out
1065 TEAVANA...Coffee & Tea
1065 TESLA MOTORS...Nonclassified Establishments
1065 TIME AFTER TIME...Watches-dealers
1065 TIME PLUS PAYROLL SVC...Payroll Preparation Serv
1065 TORRID...Clothing-retail
1065 TORRID...Women S Apparel-retail
1065 TOWNSHIP BUILDING SVC INC...Janitor Service
1065 TRICK OR TREES HOLIDAY ADVNTRS...Tree Service
1065 TRUE RELIGION BRAND JEANS...Clothing-retail
1065 TRUE RELIGION BRAND JEANS...Jeans
1065 UNIQUE EYEWEAR...Optical Goods-retail
1065 URBAN OUTFITTERS...Clothing-retail
1065 VICTORIA S SECRET...Women S Apparel-retail
1065 VICTORIA S SECRET...Lingerie
1065 WARNER BROTHERS STUDIO STORE...Clothing-retail
1065 WETZEL S PRETZELS...Restaurants
1065 WILLIAMS-SONOMA...Cooking Utensils
1065 WILLIAMS-SONOMA...Kitchen Accessories
1065 Z CUSTOM SIGNZ...Signs [mfrs]
1065 ZUMIEZ...Sportswear-retail
1065 ZUMIEZ...Sporting Goods-retail
1072 LIFE UNIFORM...Uniforms
1089 LEEDS SHOE STORES...Shoes-retail
1101 CRABTREE & EVELYN...Gift Shops
1101 CRABTREE & EVELYN...Cosmetics & Perfumes-retail<

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200 LOCKSMITH BREA 4/7...Locks & Locksmith
251 AMERICA S CHRISTIAN CU...Credit Unions
251 BREA CENTER BAPTIST CHURCH...Churches<
251 BREA GARAGE DOOR REPAIR...Garage Doors
251 GOLDEN GATE BAPTIST SEMINARY...Schools
251 HOUSE OF THE WORLD...Religious Organiz
251 LUTHERAN CREDIT UNION...Credit Unions<
251 SOUTHERN BAPTIST CREDIT UNION...Credit
259 BREA JENN-AIR REPAIR...Appliance Repai
259 GEORGIANNA CRAIG A...Psychologists
259 HOME CARE PROVIDERS...Home Health Serv
259 JULIA D WIENER LAW OFFICE...Attorneys<
259 KUCHEL FINANCIAL CONSLNT...Tax Consult
259 PAX TECH...Computers-service & Repair<
259 PAXTECH...Website Design Service
259 PCFS 2000...Computer Services<
259 PCFS 2000...Computer Software<
259 RAE MARY...Marriage & Family Counselo
259 RYAN JUANITA...Marriage & Family Coun
259 SHANGHAI FREEMEN AMERICAS...Restaurant
259 TOMLINSON ENTERPRISES...Investment Sec
259 WOODBURY FINANCIAL SVC...Financial Adv

205 total records. Part 1 of 4
100 ASADI ROSHANAK OD... OPTOMETRIST
100 CRYSTAL EMPRESS...GLASS PROD MFG
100 GARCIA JENNIFER E OD... OPTOMETR
100 H&R BLOCK...TAX SCHOOLS & COURSES
100 HR BLOCK...TAX PREPARATION SVCS
100 MIRACLE-EAR HEARING AID CTR...ALL
100 SEARS...OPTICIANS
100 SEARS...TOOLS-NEW & USED<
100 SEARS...DEPARTMENT STORES EXCEPT
100 SEARS...OPTICAL GOODS-RETAIL
100 SEARS AUTO CTR...TIRE DEALERS
100 SEARS BREA HOME FASHION...ALL OTH
100 SEARS HEARING AID CTR...ALL OTHER
120 CHEESECAKE FACTORY...FOODS-CARRY
120 CHEESECAKE FACTORY...FULL-SERVICE
200 BENEFIT COSMETICS AT MACYS...COSM
200 MACY S...RETAIL SHOPS
200 MACY S...DEPARTMENT STORES EXCEP
250 RED LOBSTER...FOODS-CARRY OUT
250 RED LOBSTER...FULL-SERVICE RESTAU
270 OLIVE GARDEN ITALIAN RSTRNT...FOO
270 OLIVE GARDEN ITALIAN RSTRNT...FUL
400 J C PENNEY CO...BEDDING
400 J C PENNEY CO...CLOTHING-RETAIL
400 J C PENNEY CO...DEPARTMENT STORES
400 J C PENNEY CO...SHOES-RETAIL
400 J C PENNEY OPTICAL...OPTICAL GOOD
400 J C PENNEY OPTICAL...OPTICIANS
400 J C PENNEY OPTICAL...OPTICAL GOOD
400 J C PENNEY PORTRAIT STUDIO...PHOT
400 J C PENNEY SALON...BEAUTY SALONS<
500 ART OF SHAVING...SERVICE ESTABLIS
500 NORDSTROM...DEPARTMENT STORES EX
500 PRO GARAGE DOORS BREA...OTHER BUI
500 SUPER STEAM AT BREA...CARPET & UP
600 BJ S RESTAURANT BREWHOUSE...FULL
600 BJ S RESTAURANT & BREWHOUSE...PIZ
600 BJ S RESTAURANT & BREWHOUSE...BRE
600 BJ S RESTAURANT & BREWHOUSE...FOO
1001 GLEN IVY DAY SPA...E-COMMERCE
1001 GLEN IVY DAY SPA...BEAUTY SALONS<
1002 MEN S WEARHOUSE TUX...FORMAL WEA
1002 MEN S WEARHOUSE & TUX...MEN S CLO
1002 MEN S WEARHOUSE & TUX...CLOTHING-
1003 AUNTIE ANNE S PRETZELS...SNACK &
1004 CHILDREN S PLACE...CHILDREN S & I
1006 AMERICAN EAGLE OUTFITTERS...WOMEN
1006 AMERICAN EAGLE OUTFITTERS...SPORT
1006 AMERICAN EAGLE OUTFITTERS...MEN S
1006 AMERICAN EAGLE OUTFITTERS...FAMIL
1006 BEACHWORKS...OPTICAL GOODS STORES
1009 NATURALIZER SHOES...SHOE STORES
1010 KAY JEWELERS...JEWELRY STORES
1011 MICHAEL KORS...FAMILY CLOTHING ST
1011 SUNGLASS HUT...OPTICAL GOODS STOR
1012 BOSE CORP...RADIO TV & OTHER ELE
1013 FASHION CRAVE...FAMILY CLOTHING S
1020 JANIE JACK...CHILDREN S & INFANT
1021 ECCO SHOES...SHOE STORES<
1022 BEN BRIDGE JEWELER...WATCHES-DEAL
1022 BEN BRIDGE JEWELER...JEWELRY STOR
1024 APPLE STORE...COMPUTER & SOFTWARE
1025 FOREVER 21...WOMEN S APPAREL-RETA

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Part 2 of 4

1025 FOREVER 21...Men S Clothing & Furnishings-retail
1025 FOREVER 21...Family Clothing Stores
1030 FASHION EXPO CORP...Other Business Svc Centers
1032 LIFE UNIFORM...Family Clothing Stores
1033 RED ROBIN GOURMET BURGERS...Foods-carry Out
1033 RED ROBIN GOURMET BURGERS...Full-service Restaur
1034 KEVIN JEWELERS...Jewelry Stores
1035 JOURNEYS...Shoe Stores
1041 PANDORA JEWELRY...Jewelry Stores
1042 CATHY JEAN...Shoe Stores
1044 GNC...Cosmetics & Perfumes-retail
1044 GNC...Nutritionists
1044 GNC...Food Health Supplement Stores
1045 E COSWAY...All Other General Merchandise Stores<
1045 SAM S TAILORING CUSTOM SHOP...Other Clothing St
1046 AZ ITALY...Family Clothing Stores
1048 SIDECCA...Clothing-retail
1050 PAC SUN...Men S Clothing & Furnishings-retail
1050 PAC SUN...Sportswear-retail
1050 PAC SUN...Women S Apparel-retail
1050 PAC SUN...Family Clothing Stores
1052 COACH...Leather Goods-dealers
1052 COACH...Accessories-fashion
1052 COACH...Clothing Accessories Stores
1055 BABY GAP...Children S & Infants Clothing Stores
1055 GAP...Men S Clothing & Furnishings-retail
1055 GAP...Family Clothing Stores
1055 GAP...Women S Apparel-retail
1055 GAP KIDS...Scarves-wearing Apparel
1055 GAP KIDS...Children S & Infants Clothing Stores
1055 GAP KIDS...Sportswear-retail
1055 GAP KIDS...Clothing-retail
1063 JEWELERS BENCH...Jewelry Stores
1064 LIZ S NAILS...Nail Salons
1064 SHOE CLINIC...Footwear & Leather Goods Repair
1065 A Z GOLD EXCH JEWELRY WATCH...Jewelry Merchant
1065 ABERCROMBIE KIDS...Children S & Infants Clothin
1065 ALDO...Shoe Stores
1065 APPLE STORE...Electronic Equipment & Supplies-re
1065 BARE ESCENTUALS...Cosmetic & Beauty Supply Store
1065 BLACKHEART...Women S Clothing Stores
1065 BREA MALL...Lessors Of Nonresidential Buildings<
1065 BRIGHTON COLLECTIBLES...Collectibles
1065 BRIGHTON COLLECTIBLES...Women S Clothing Stores<
1065 CALIFORNIA PIZZA KITCHEN...Full-service Restaura
1065 CALIFORNIA PIZZA KITCHEN...Foods-carry Out
1065 CALIFORNIA PIZZA KITCHEN...Restaurants
1065 CALIFORNIA UNITS LLC...Radio Tv & Other Electro
1065 CELL PLANET...Wireless Telecomm Carrier<
1065 CELLULAR OUTLET INTL...Radio Tv & Other Electro
1065 CHARLES DAVID...Shoe Stores
1065 CHICKPITA MEDITERRANEAN...Full-service Restauran
1065 CHIPOTLE MEXICAN GRILL...Full-service Restaurant
1065 COLD STONE CREAMERY...Snack & Nonalcoholic Bever
1065 COTTON ON...Family Clothing Stores
1065 DIAMOND WIRELESS...Wireless Telecomm Carrier
1065 FIESTA FANTASTIC MAGIC...Hobby Toy & Game Stor
1065 FOSSIL ACCESSORY...Jewelers-retail
1065 FOSSIL ACCESSORY...Clothing Accessories Stores
1065 GAMESTOP...Computer Software
1065 GAMESTOP...Video Games
1065 GAMESTOP...Hobby Toy & Game Stores

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SOURCE: DIGITAL BUSINESS DIRECTORY

Part 3 of 4

1065 GO! CALENDARS...Other Nondurable Goods Merchant
1065 GREEN ELECTRONICS EXCHANGE...Radio Tv & Other E
1065 GUESS...Family Clothing Stores
1065 GUESS...Women S Apparel-retail
1065 GUESS...Jeans
1065 HAIR STYLER 2...Beauty Salons
1065 HM...Family Clothing Stores
1065 HOLLISTER CO...Family Clothing Stores
1065 HOLLISTER CO...Women S Apparel-retail
1065 HOLLISTER CO...Men S Clothing & Furnishings-reta
1065 JAMBA JUICE...Snack & Nonalcoholic Beverage Bars
1065 KULA SUSHI USA INC...Full-service Restaurants
1065 LAMB FLAG...Family Clothing Stores
1065 LOVE D...Shoe Stores
1065 MAC AT BREA MALL...Druggists Goods Merchant Who
1065 METALLIC MOMENTS...Prepress Svcs
1065 MOBILE MAGIC OF CALIFORNIA...Wireless Telecomm C
1065 MODE PLUS...Family Clothing Stores
1065 MORE THAN A HAT...Clothing Accessories Stores
1065 NUR BEAUTY...Cosmetics & Perfumes-retail
1065 OAKLEY...Nonclassified Establishments
1065 OKASAN TEPPAN YAKI...Full-service Restaurants
1065 PAPAYA CLOTHING...Family Clothing Stores
1065 PAUL MART STORE...Store Retailers Not Specified
1065 PIERCING PAGODA...Ear Piercing Service
1065 PIERCING PAGODA...Jewelry Stores
1065 POTATO CORNER...Full-service Restaurants
1065 POTTERY BARN...Furniture Stores
1065 POTTERY BARN...Home Accessories & Furnishings
1065 PRECISION TIME WATCH REPAIR...Other Household Go
1065 Q FASHION...Family Clothing Stores
1065 QUICK I REPAIR...Commercial Machinery Repa
1065 RENAISSANCE FLOWERS GIFTS...Florists
1065 ROBERT WAYNE FOOTWEAR...Shoes-retail
1065 ROBERT WAYNE FOOTWEAR...Shoe Stores
1065 ROCKY MOUNTAIN CHOCOLATE...Confectionery & Nut S
1065 ROSETTA STONE...Educational Support Svcs
1065 ROYAL CRYSTAL GALLERY...Jewelry Stores
1065 SBARRO...Foods-carry Out
1065 SBARRO...Full-service Restaurants
1065 SBARRO...Pizza
1065 SEE S CANDIES CHOCOLATE SHOP...Confectionery & N
1065 SEPHORA...Cosmetic & Beauty Supply Stores
1065 SHAPE MY IBROWS...All Other Personal Svcs
1065 SOHO...Other Personal Care Svcs
1065 SPORTS TREASURES...Other Clothing Stores
1065 STEVE MADDEN...Shoe Stores
1065 SUNGLASS HUT...Optical Goods Stores
1065 SURF CITY SQUEEZE...Snack & Nonalcoholic Beverag
1065 SURF CITY SQUEEZE...Juices-retail
1065 SURF CITY SQUEEZE...Restaurants
1065 T-MOBILE...Wireless Telecomm Carriers [except Sa
1065 TACO BELL...Foods-carry Out
1065 TACO BELL...Full-service Restaurants
1065 TEAVANA...All Other Specialty Food Stores
1065 TESLA MOTORS...Nonclassified Establishments
1065 TIME AFTER TIME...Jewelry Stores
1065 TIME PLUS PAYROLL SVC...Payroll Svcs
1065 TORRID...Clothing-retail
1065 TORRID...Women S Clothing Stores
1065 TOWNSHIP BUILDING SVC INC...Janitorial Svcs
1065 TRUE RELIGION BRAND JEANS...Jeans

Part 4 of 4

1065 TRUE RELIGION BRAND JEANS...Family Clothing Stor
1065 UNIQUE EYEWEAR...Optical Goods Stores
1065 URBAN OUTFITTERS...Family Clothing Stores
1065 VICTORIA S SECRET...Women S Apparel-retail
1065 VICTORIA S SECRET...Other Clothing Stores
1065 VICTORIA S SECRET...Cosmetics & Perfumes-retail<
1065 WETZEL S PRETZELS...Restaurants
1065 WETZEL S PRETZELS...Snack & Nonalcoholic Beverag
1065 WILLIAMS-SONOMA...All Other Home Furnishings Sto
1065 WILLIAMS-SONOMA...Cooking Utensils
1065 Z CUSTOM SIGNZ...Sign Mfg
1065 ZUMIEZ...Sporting Goods-retail
1065 ZUMIEZ...Other Clothing Stores
1066 BANK OF AMERICA ATM...Commercial Banking
1072 LIFE UNIFORM...Women S Apparel-retail
1072 LIFE UNIFORM...Uniforms
1101 CRABTREE EVELYN...Cosmetic & Beauty Supply Stor
1101 CRABTREE & EVELYN...Gift Shops

200 LOCKSMITH BREA 4/7...Locksmiths
251 BREA CENTER BAPTIST CHURCH...Religious
251 BREA GARAGE DOOR REPAIR...Finish Carpe
251 GOLDEN GATE BAPTIST SEMINARY...College
251 HOUSE OF THE WORLD...Religious Organiz
251 LUTHERAN CREDIT UNION...Credit Unions<
259 BREA MALL EXECUTIVE PLAZA...Lessors Of
259 GEORGIANNA CRAIG A... Misc Health Pra
259 HOME CARE PROVIDERS...Home Health Care
259 JULIA D WIENER LAW OFFICE... Lawyers
259 KUCHEL FINANCIAL CONSLNT...Other Accou
259 PAX TECH...Computer & Office Machine R
259 PAXTECH...Computer Systems Design Svcs
259 PCFS 2000...Computer Services<
259 PCFS 2000...Computer & Software Stores
259 RAE MARY...Other Individual & Family
259 RYAN JUANITA...Other Individual & Fam
259 TOMLINSON ENTERPRISES...Investment Sec
259 WOODBURY FINANCIAL SVC...Investment Ad

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147 total records. Part 1 of 3

100 CRYSTAL EMPRESS...PURCHASED GLASS
100 FRIAR TUX SHOP...CLOTHING RENTAL
100 H & R BLOCK...TAX RETURN PREPARAT
100 H & R BLOCK TAX SVC...TAX RETURN
100 JULIE TRAN DDS...DENTISTS OFF CLI
100 MIRACLE EAR CENTER...HEARING AID
100 SEARS...DEPARTMENT STORE RET HOUS
100 SEARS AUTO & TIRE CTR...GENERAL A
100 SEARS HEARING AID CTR...HEARING A
100 SEARS PORTRAIT STUDIO...PHOTO STU
100 SEARS ROEBUCK & CO...DEPARTMENT S
120 CHEESECAKE FACTORY INC...DRINKING
120 NEXTEL...RADIOTELEPHONE COMMUNICA
200 MACYS...DEPARTMENT STORES
250 RED LOBSTER...SEAFOOD RESTAURANT<
250 RED LOBSTER RESTAURANT...SEAFOOD
270 OLIVE GARDEN 1103...ITALIAN RESTA
270 OLIVE GARDEN ITALIAN RSTRNT...ITA
300 ROBINSONS-MAY DEPARTMENT STORE...
400 J C PENNEY BEAUTY SALON...HAIRDRE
400 J C PENNEY CO INC...DEPARTMENT ST
400 J C PENNEY OPTICAL...OPTICAL GOOD
500 NORDSTROM...RET FAMILY CLOTHING D
500 NORDSTROM...DEPARTMENT STORES
600 B JS CHICAGO PIZZERIA...EATING PL
600 B JS RESTAURANT...RESTAURANTS
600 BJS RESTAURANT...AMERICAN MENU
600 BREA LOCKSMITH...LOCK AND KEY SER
1001 BREA MALL THEATRE...MOVIE THEATRE
1001 GLEN IVY DAY SPA...PHYSICAL FITNE
1001 GLEN IVY HOT SPRINGS...MASSAGE AN
1003 AUNTIE ANNES HAND ROLLED SOFT...P
1003 AUNTIE ANNES PRETZELS...QUICK SER
1004 CHILDRENS PLACE...CHLD INFANTS W
1006 ADVANCED CELLULAR CMMNTNS...CELLU
1006 AMERICAN EAGLE OUTFITTERS...CLOTH
1006 AMERICAN EAGLE OUTFITTERS...SPORT
1006 BEACH ACCESS INC...SUNGLASSES & S
1006 BEACHWORKS...OPTICAL GOODS STRS
1006 PERSONALIZED CHRISTMAS...PARTY SU
1008 GAP KIDS...CHLD INFANTS WEAR
1009 NATURALIZER SHOES...SHOE STORES
1010 KAY JEWELERS...JEWELRY STORES
1011 DISCOVERY CHANNEL STORE...DEPT ST
1011 SUNGLASS HUT...OPTICAL GOODS STRS
1013 LUCKY BRAND DUNGAREES...UNISEX CL
1014 METRO PARK...AMUS RECREATION SV<
1015 BRIGHTON COLLECTIBLES...GIFT & NO
1020 JANIE & JACK STORE...CHLD INFANTS
1021 ECCO SHOES...SHOE STORES<
1022 BEN BRIDGE JEWELER...JEWEL PREC S
1022 BEN BRIDGE JEWELER...JEWELERS-RET
1024 APPLE STORE...COMPUTERS
1025 FOREVER 21...FAMILY CLOTHING STR<
1026 THE LIMITED...WOMEN S CL STORES
1030 FOREVER 21...WOMEN S APPAREL-RETA
1031 SELECT COMFORT CORP...NCLASSIFIAB
1032 LIFE UNIFORM & SHOE SHOPS...UNIFO
1034 KEVIN JEWELERS...JEWEL PREC STNES
1035 EASY SPIRIT...SHOE STORES
1035 JOURNEYS...SHOE STORES
1036 BOARDWALK SURF SKATE & SNOW...SPO
1036 BOARDWALK SURF SKATE & SNOW...SPO

2009 BREA MALL
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 3

1041 WHITEHALL CO JEWELLERS...Jewel Prec Stnes/mtls
1042 CATHY JEAN SHOE STORE...Shoe Stores
1042 CATHY JEAN SHOE STORE...Shoes-retail
1044 GNC...Health & Diet Fd Strs
1044 LANE BRYANT...Women S Cl Stores
1045 BIG & TALL MENS FASHIONS...Men S Clothing & Furn
1045 SAMS TAILORING & CUSTOM SHOP...Custom Tailor
1045 UNSA ENTERPRISES INC...Men S Boys Cl Str
1050 PAC SUN...Family Clothing Str
1052 COACH...Luggage & Lea Goods
1052 COACH STORE...Leather Goods-dealers
1062 ALEXANDERS HAIR SALON...Beauty Salons
1062 ALEXANDERS HAIR SALON...Hairdressers
1062 PERFUME GALLERY...Toiletries Cosm Perf
1063 JEWELERS BENCH...Watch Clock Jly Rp
1064 LIZS NAILS...Beauty Shops
1064 SHOE CLINIC...Shoe Repair & Shine
1065 ABERCROMBIE & FITCH...Family Clothing Str
1065 AFTER HOURS FORMALWEAR...Clothing Rental Svcs
1065 ALDO...Shoes-retail
1065 ALDO...Shoe Stores
1065 ART HANGUPS...Art Restoring
1065 B CHARMING...Jewel Prec Stnes/mtls
1065 B CHARMING...Ret Jewelry Whol Service
1065 BEBE...Women S Apparel-retail
1065 BEBE...Women S Cl Stores
1065 BLINK CELL COM...Cellular Telephones-equipment &
1065 BLINK CELL ONE...Misc Retail Stores
1065 BREA AVON BEAUTY CTR...Toiletries Cosm Perf
1065 BREA MALL...Shoppng Ctr Oper
1065 BREA MALL MANAGEMENT OFFICE...Shoppng Ctr Oper
1065 CALIFORNIA PIZZA KITCHEN...Quick Serv Pizza Parl
1065 CALIFORNIA ROCK & ROLL SUSHI...Oriental Menu
1065 CASUAL LOOK...Mfg Women S/misses Outerwear
1065 CELLULAR XS...Misc Retail Stores
1065 CHARLES DAVID...Shoe Stores
1065 COLD STONE CREAMERY...Quick Serv Ice Cream/yogur
1065 EB GAMES...Hobby Toy Game Str
1065 EQUAL JUSTICE PARALEGAL SVC...Paralegals
1065 FINAL TOUCH 2...Unclassified
1065 FOR LOVE 21...Women S Cl Stores
1065 GENGIS KHAN ENTERPRISE...Eating Places
1065 ICARA...Women S Cl Stores
1065 INITIALS...Nclassifiable Estab
1065 IPC INTL CORP...Guard & Patrol Serv
1065 MAC AT BREA MALL...Drugs Propty & Snd
1065 MANI GI...Men S Boys Cl Str
1065 MEMORY BOX...Gift Shop
1065 METALLIC MOMENTS...Platemaking Rel Svs
1065 MOBILE MAGIC OF CALIFORNIA...Carwashes
1065 MODE PLUS...Family Clothing Str
1065 NAARTIJIE CUSTOM KIDS INC...Chld Infants Wear
1065 NEW YORK & CO...Auto & Ap Trimmings
1065 PALM TREE...Optical Goods Strs
1065 PERFECT BALANCE...Nclassifiable Estab
1065 PIERCED PLANET...Misc Personal Svs
1065 PIERCING PAGODA...Jewelry Stores
1065 PLANET FUNK...Women S Cl Stores
1065 POP STAR GIRLS...Women S Cl Stores
1065 POTTERY BARN...Misc Homefurnishing
1065 PRECISION TIME WATCH REPAIR...Watch Clock Jly R
1065 PROACTIVE SOLUTIONS...Hairdressers

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Part 3 of 3

1065 PROFESSIONAL EMBROIDERY...Pleating/stitching Ser
1065 RACHELS BEST AROMATHERAPY HER...Art Gallery Comm
1065 RENAISSANCE FLOWERS & GIFTS...Florists
1065 ROBERY WAYNE FOOTWEAR...Shoe Stores
1065 ROCKY MOUNTAIN CHOCOLATE...Candy Nut Cnf Str
1065 ROYAL CRYSTAL GALLERY...Housewares
1065 ROYAL SILVER...Jewel Prec Stnes/mtls
1065 SBARRO ITALIAN EATERY...Italian Menu
1065 SEPHORA...Toiletries Cosm Perf
1065 SPORTING EYES...Optical Goods Strs
1065 STACCATO...Shoe Stores
1065 STEVE MADDEN...Shoe Stores
1065 SUNCOAST MOTION PICTURE CO...Video Disks Prereco
1065 SURF CITY SQUEEZE...Fruit & Veg Markets<
1065 SWEET FACTORY...Candy Nut Cnf Str
1065 T-MOBILE...Cellular Phone Svcs
1065 TORRID...Family Clothing Str
1065 VERIZON WIRELESS...Cellular Phone Svcs
1065 VICTORIAS SECRET...Women S Hosiery Ling<
1065 WILLIAMS-SONOMA...Misc Homefurnishing
1065 Z CUSTOM SIGNZ...Signs & Advg Spc
1101 CRABTREE & EVELYN...Gift & Nov Shops

251 GOLDEN GATE BAPTIST SEMIN...Colleges &
251 GOLDEN GATE BAPTIST SEMIN...Schools-un
251 GOLDEN GATE BAPTIST SEMIN...Churches
251 GOLDEN GATE BAPTIST SEMIN...Baptist Ch
251 GOLDEN GATE BAPTIST SEMIN...Federal Cr
251 GOLDEN GATE BAPTIST SEMIN...Fed Chart
259 COMMUNITY HOME CARE SUPPORT...Home Hea
259 COMMUNITY HOME SUPPORT...Home Health S
259 DENISE T OSTERMANN...Antiques<
259 EVERGREEN DIVERSIFIED...Auto & Consume
259 HAL KUCHEL FINANCIAL...Tax Consultants
259 HOME CARE MEDICAL SYSTEMS...Medical Eq
259 JUANITA RYAN...Social Services
259 MARY RAE...Social Services
259 PAX TECH...Computer Maint & Rp
259 PCFS 2000...Misc Publishing
259 PRECISION MEDICAL...Medical Equip Supp
259 PRIMERICA FINANCIAL SVC...Insur Agts B
259 RELIABLE WEBSITE...Computer Sys Design
259 RESOURCE SELECT GROUP...Executive Plac
259 ROYAL FUNDING...Auto & Consumer Financ
259 TOMLINSON ENTERPRISES...Legal Services
259 WOODBURY FINANCIAL SVC...Investment Ad

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BREA MALL 92821 BREA

WEALTH CODE 6

100	**BUILDING**		
	★ CRYSTAL EMPRESS	714-256-0284	9
	★ FRIAR TUX SHOP	714-256-1896	5
	★ H & R BLOCK	714-256-7316	4
	★ H & R BLOCK	714-990-6245	4
	★ MIRACLE-EAR CENTERS	714-529-7730	
	★ SEARS	714-256-7328	
	★ SEARS APPLIANCES	714-256-7326	
	★ SEARS AUTO CENTER	714-256-7328	
	★ SEARS BED & BATH	714-256-7311	
	★ SEARS CHLDRN'S APPRL-BBY FRNTR	714-256-7329	
	★ SEARS CKNG-DSHWSHRS-AR CNDTNRS	714-256-7326	
	★ SEARS ELCTRNCS-CMPTRS-TV- STRS	714-256-7357	
	★ SEARS GEN INF	714-256-7300	
	★ SEARS HARDWARE	714-256-7309	
	★ SEARS HEARING AID CENTERS BREA	714-529-0567	
	★ SEARS HM DCRTNG-DRPRY-CRPT	714-256-7324	
	★ SEARS HOUSEWARES-SMALL APPLNCS	714-256-7308	
	★ SEARS JEWELRY	714-256-7304	
	★ SEARS LAWN & GARDEN EQUIPMENT	714-256-7371	
	★ SEARS MATTRESSES	714-256-7311	
	★ SEARS MEN'S APPAREL	714-256-7333	
	★ SEARS OPTICAL	714-990-4353	
	★ SEARS OPTICAL	714-256-7355	
	★ SEARS PAINT	714-256-7348	
	★ SEARS PORTRAIT STUDIO	714-256-7325	
	★ SEARS REFRIGERATORS-FREEZERS	714-256-7326	
	★ SEARS SHOES	714-256-7354	
	★ SEARS SPORTING GOODS-FITNESS	714-256-7306	
	★ SEARS VCMS-SWNG MCHNS-MCRWVS	714-256-7320	
	★ SEARS WASHERS-DRYERS	714-256-7326	
	★ SEARS WOMEN'S APPAREL	714-256-7317	
	★ SEARS WOMEN'S INTIMATE APPAREL	714-256-7318	
	★ SEARS WTR HTRS-SFTNRS-PLMBNG	714-256-7371	
	★ TRAN JULIE OD	714-255-0723	5
	★ UNIVANCE TELECOMMUNICATION	714-256-2745	3
100			
120	★ SPRINT STORE	714-256-2199	+7
	★ THE CHEESECAKE FACTORY	714-255-0115	4
200	★ MACY'S	714-990-1400	8
	★ MACY'S WEST BREA	714-990-1400	8
212	★ PANDA EXPRESS	714-255-8160	
250	★ RED LOBSTER RESTAURANTS	714-529-0632	+7
	★ SEAFOOD BRLR RSTRNTS SEE RED	714-529-0632	
270	★ OLIVE GARDEN ITALIAN REST BREA	714-255-1332	
300	★ MACY'S WEST BREA	714-990-3111	+7
	★ ROBINSONS-MA BREA	714-990-3111	
400	★ J C PENNEY OPTICAL	714-529-2203	3
	★ PENNEY BREA STORE	714-671-2882	+7
	★ PENNEY PORTRAIT STUDIO	714-990-2040	+7

500	★ NORDSTROM	714-529-0123	
600	★ BJ'S RESTAURANT AND BREWERY	714-990-2095	1
	★ CHICAGO PIZZA	714-671-6020	+4
1001	★ GLEN IVY DAY SPA	714-990-2090	+4
1003	★ AUNTIE ANNES PRTZLS	714-256-1253	
1004	★ CHILDREN'S PLACE THE	714-256-8497	+4
1005	XXXX	OO	
1006	★ BEACH ACCESS INC	714-257-0590	5
	★ SPORTS TREASURES	714-529-2991	+4
1007	★ THINGS REMEMBERED	714-255-1513	5
1008	★ GAP KIDS	714-255-9630	6
1009	★ NATURALIZER WEST	714-529-1684	0
1011	★ NATURE COMPANY THE	714-671-0616	
	★ RAY-BAN	714-674-5048	2
1013	★ LUCKY BRAND DUNGAREES	714-672-0701	2
1014	★ CHLOE ACCESSORIES INC	714-671-9000	+4
1020	★ JANIE & JACK STORE	714-529-6883	+4
1021	★ ECCO SHOES	714-255-8367	3
1022	★ BEN BRIDGE JEWELER	714-256-1833	1
1023	★ DISNEY STORE INC	714-990-2264	
1024	★ WET SEAL THE	714-256-2876	
1025	★ FOREVER 21	714-529-7712	3
1026	★ LIMITED THE	714-256-4607	5
1031	★ CRESCENT JEWELERS	714-529-1441	9
1034	★ DUX	714-990-3848	7
	★ DUXIANA-THE DUX BED	714-990-3848	7
1035	★ JOURNEYS	714-255-1974	+4
1036	★ BOARDWALK SURF SKATE&SNOW	714-529-2053	9
1037	XXXX	OO	
1041	★ WHITEHALL CO JEWELLERS THE	714-529-6735	8
1042	★ CATHY JEAN	714-671-7965	7
1043	★ SANRIO SURPRISES	714-529-8890	3
1044	★ GENL NUTRITION CENTER	714-990-1286	0
	★ HELEN GRACE CHOCOLATES	714-990-3022	1
1045	★ BIG & TALL MEN'S FASHIONS	714-529-6006	5
1050	★ PAC SUNWEAR	714-529-4141	1
1051	★ JURLIQUE WELLNESS DAY SPA	714-257-0250	3
1052	★ COACH STORE THE	714-257-0772	
1055	★ GAP THE	714-529-4112	6
1057	★ JUDY'S HALLMARK	714-990-3311	2
1059	★ PERFUME GALLERY	714-529-5675	0
1061	★ SILHOUETTE	714-529-4404	0
1062	★ ALEXANDER'S HAIR INTERNATIONAL	714-990-4200	+4
1063	★ JEWELER'S BENCH	714-529-5566	8
1064	★ LIZ'S NAILS	714-529-5517	+4
	★ SHOE CLINIC	714-990-9227	0
1065	BUILDING		
	★ ABERCROMBIE & FITCH	714-671-3005	1
	★ ABERCROMBIE & FITCH	714-671-4969	2
	★ AIRFONE WIRELESS	714-255-9979	+4
	★ ALDO	714-990-9146	2

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★ AIRFONE WIRELESS	714-255-9979	+4
★ ALDO	714-990-9146	2
★ B CHARMING	714-529-9952	2
★ BEBE	714-529-2323	2
★ BEBE	714-257-2200	+4
★ BLINK CELL COM	714-674-1920	+4
★ BREA MALL CUSTOMER INFO SV	714-990-2732	8
★ BREA MIRY	714-529-8877	2
★ BRIGHTON COLLECTIBLES	714-671-3981	2
★ CALIFORNIA PIZZA KITCHEN	714-672-0407	2
★ CALIFORNIA ROCK & ROLL SUSHI	714-672-9100	3
★ CANDLE LABORATORIES	714-257-9870	2
★ CASUAL LOOK	714-257-9534	1
★ CHARLES DAVID	714-990-0959	6
★ CHARMING SHOPPES INC	714-529-6680	5
★ COLD STONE CREAMERY	714-529-1499	+4
★ COOLPA	714-990-8735	+4
★ DOCTOR MARTENS	714-256-4990	1
★ EASY SPIRIT	714-256-9404	9
★ ELECTRONICS BOUTIQUE	714-256-1864	9
★ ELI TRADING INC	714-672-0624	+4
★ GIRL MANIA	714-529-7955	+4
★ HANNA BANANA	714-672-9339	+4
★ HOLLISTER 124	714-671-1013	2
★ HOT CELL	714-671-9019	+4
★ ICARA	714-990-1171	1
★ IPC INTERNATIONAL CORP	714-257-1424	1
★ LIDS	714-257-0361	0
★ M A C AT BREA MALL	714-529-9337	3
★ MANI GI	714-256-0700	2
★ MARDI GRAS CAFE	714-256-2888	9
★ MARY ENGELBREIT CO THE	714-255-0674	1
★ MOBILE SYSTEMS WIRELESS	714-257-0501	1
★ MODE PLUS	714-255-1484	3
★ NAARTJIE CUSTOM KIDS INC	714-671-7990	+4
★ PALM TREE	714-256-2459	3
★ PALM TREE	714-256-2495	+4
★ PERFUME GALLERY	714-529-5279	+4
★ PIERCING PAGODA	714-674-0085	1
★ PLANET FUNK	714-990-6200	2
★ PLUS U	714-255-1547	3

..BREA MALL 92821 CONT..

	★ PROFSNL EMBROIDERY	714-255-0551	+4
	★ RACHEL BEST ART	714-529-5731	+4
	★ ROBERT WAYNE FOOTWEAR	714-256-4990	1
	★ ROYAL SILVER	714-256-0612	+4
	★ SBARRO'S ITALIAN EATERY	714-529-3491	+4
	★ SKECHERS KIDS BREA	714-671-4172	3
	★ SLIPPER CRAVE	714-674-0541	+4
	★ SNAP WIRELESS	714-990-1703	2
	★ SPORTING EYES BREA MALL	714-257-9195	2
	★ STEVE MADDEN SHOES	714-671-2094	9
	★ SUNCOAST MOTION PICTURE CO	714-256-2292	
	★ SURF CITY SQUEEZE	714-671-1290	2
	★ SWEET FACTORY	714-255-9901	+4
	★ T MOBILE	714-671-2870	+4
	★ TABLE SCRAPZ	714-529-6887	+4
	★ TERIYAKI PALACE	714-255-7973	1
	★ THE POTTERY BARN	714-672-1260	2
	★ T-MOBILE	714-672-0780	3
	★ TORRID	714-671-2803	2
	★ TREASURE ISLAND	714-990-0339	2
	★ VERIZON WIRELESS	714-990-0910	+4
	★ VICTORIA SECRET BEAUTY	714-529-9753	2
	★ VICTORIA'S SECRET	714-990-2665	
	★ VICTORIA'S SECRET	714-256-1364	+4
	★ WILLIAMS-SONOMA	714-256-9301	1
	★ ZCUSTOM SIGNZ	714-256-4540	+4
1065			
1066	★ GUESS JEANS	714-256-4745	
	★ HOT TOPIC	714-256-0977	8
1072	★ LIFE UNIFORM&SHOE SHOPS	714-990-6672	5
1080	★ RED ROBIN	714-529-6766	9
1101	★ CRABTREE & EVELYN	714-255-1301	
1104	★ TRUE COLORS	714-256-0644	9
1106	XXXX	OO	
1107	★ CARLTON HAIR INTL	714-256-9760	5
1108	★ B & G	714-671-1700	3
	★ CARRAZ	714-672-9612	7
	★ OSIM USA INC	714-257-0857	+4
1110	★ VILLAGE GALLERY THE	714-257-0370	2
	★ WINDSOR FASHIONS INC	714-990-4453	2

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WEALTH CODE 4 2

X	E BIRCH ST		
221	XXXX	OO	
227	XXXX	OO	
X	MADISON WAY		
231	XXXX	OO	
251	★ BREA CENTER BAPT CH	714-529-4109	
	★ GOLDEN GATE BAPTIST SEMINARY	714-256-1311	
	★ LUTHRN CREDIT UNION	714-257-4900	1
	★ SOUTHRN BAPTIST CREDIT UNION	714-671-1888	
	★ SOUTHRN CA CAMPUS GOLDEN GATE	714-256-1311	9
259	BUILDING		
	ANTHONY Curiale	714-529-8764	+4
	★ COMNTY HOME SUPPORT	714-671-6877	2
	★ CURIALE ANTHONY ATTY	714-529-9376	8
	★ HOME CARE MEDICAL SYSTEMS	714-255-8179	3
	★ KUCHEL HAL FINANCIAL CONSULTNT	714-671-2996	
	★ NOWELL RUSSELL P ATTY	714-671-3030	9
	★ PCFS 2000	714-674-0009	2
	★ PRIMERICA FNCL SV-SALES OFFICE	714-990-1100	9
	★ RAE MARY M	714-990-0909	9

BREA MALL 92821 BREA

100	BUILDING		
	★ BLOCK H&R	714-256-7316	3
	★ CRYSTAL MEMORIES	714-256-0284	9
	★ MIRACLE-EAR HEARING AID CT SRS	714-529-7730	5
	★ SEARS APPLNCS	714-256-7326	+0
	★ SEARS APPRL MENS	714-256-7333	+0
	★ SEARS APPRL WMNS INTMTE	714-256-7318	+0
	★ SEARS AUTO CT	714-256-7328	+0
	★ SEARS BED&BATH	714-256-7311	+0
	★ SEARS BTHRM-KTCHN FXTR	714-256-7348	+0
	★ SEARS CHLDRN'S	714-256-7329	+0
	★ SEARS CMPTRS	714-256-7303	+0
	★ SEARS CRPTS-FLR CVRNG	714-256-7337	+0
	★ SEARS DRPRY-CRTNS-RODS	714-256-7311	+0
	★ SEARS DRPRY-CSTM	714-256-7324	+0
	★ SEARS ELCTRCL-LGHTNG	714-256-7348	+0
	★ SEARS ENGRVD GFTS	714-256-7356	+0
	★ SEARS GEN INF	714-256-7300	
	★ SEARS HDWR	714-256-7309	+0
	★ SEARS HEARING AID	714-529-0567	5
	★ SEARS HRNG AIDS	714-256-7305	+0
	★ SEARS HSWRS	714-256-7308	+0
	★ SEARS JWLRY WTCHS	714-256-7304	+0
	★ SEARS LWN&GRDN EQP	714-256-7371	+0
	★ SEARS MICROWAVES	714-256-7320	+0
	★ SEARS OPTICAL	714-990-4353	+0
	★ SEARS OPTICAL	714-256-7355	+0
	★ SEARS OVNS-RNGES-COOKTP	714-256-7326	+0
	★ SEARS PNT&WLLPPR	714-256-7330	+0
	★ SEARS RFRGRTRS-FRZRS	714-256-7326	+0
	★ SEARS SHOES	714-256-7354	+0
	★ SEARS SPRTG GDS-FTNSS	714-256-7306	+0
	★ SEARS TVS-VCRS-STEREOS	714-256-7357	+0
	★ SEARS VACUUMS-SWNG MACH	714-256-7320	+0
	★ SEARS WSHR-DRYR-DSHWSHR	714-256-7326	+0
	★ SEARS WTCH RPR-KEYS	714-256-7379	+0
	★ SEARS WTR HTRS&SFTNRS	714-256-7371	+0
	★ TUX DEN	714-256-1720	4
100			
200	★ MACYS	714-990-1400	8
204	★ 1 POTATO 2 INC	714-990-8439	
212	★ PANDA EXPRESS	714-255-8160	1
250	★ RED LOBSTER RSTRNT	714-529-0632	
	★ SEAFOOD BROILER RESTAURANTS	714-529-0632	8
270	★ OLIVE GARDEN REST	714-255-1332	
300	★ ROBINSON-MAY DEPARTMENT STORES	714-990-3111	4
400	★ JCPENNEY	714-671-2882	8
	★ JCPENNEY CATALOG ORDERS	714-671-0971	8
	★ JCPENNEY PORTRAIT STDO	714-990-2040	8
	★ JCPENNEY STYLING SALON	714-671-1019	8
500	★ NORDSTROM	714-529-0123	
600	★ BJ'S PIZZA	714-990-2095	+0

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	SALON		
500	★ NORDSTROM	714-529-0123	
600	★ BJ'S PIZZA GRILL&BREWERY	714-990-2095	+0
1001	★ UNITD ARTISTS BREA MALL CNMA 4	714-990-4021	1
1003	★ AUNTIE ANNES PRTZLS	714-256-1253	4
1004	★ PRO IMAGE THE	714-529-3326	5
1005	★ DECK THE WALLS	714-255-0051	7
	★ DECK THE WALLS	714-990-0490	+0
1006	★ ADVANCED CELLULAR CMMNTNS	714-990-5920	8
	★ BEACH ACCESS INC	714-257-0590	5
	★ FUN FACES FOTO GIFTS	714-256-1499	+0
1007	★ THINGS REMEMBERED	714-255-1513	5
1008	★ COLORADO	714-529-0217	6
	★ GAP KIDS	714-255-9630	6
1009	★ NATURALIZER WEST	714-529-1684	5
1011	★ NATURE COMPANY THE	714-671-0616	1
1013	★ AT OUR HOUSE	714-990-5996	1
1014	★ MUSEUM CO THE	714-256-0965	1
1016	★ WILLIAMS SONOMA	714-256-9301	1
1017	★ IMAGINARIUM	714-990-8770	5
1018	★ CONTEMPO CASUALS	714-256-2761	2
1019	★ PACIFIC SUNWEAR	714-529-4141	8
1020	★ EUROSOURCE GOURMET	714-671-6900	+0
1021	★ J STEPHENS	714-255-8367	6
1023	★ DISNEY STORE INC	714-990-2264	3
1024	★ WET SEAL THE	714-256-2876	2
1026	★ LIMITED THE	714-256-4607	5
1030	★ FOREVER 21	714-529-6349	7
	★ FOREVER 21	714-257-1278	+0
	★ LUX SENSE	714-529-6349	9
1031	★ CRESCENT JEWELERS	714-529-1441	9
1034	★ DUX	714-990-3848	7
	★ DUXIANA BREA MALL	714-990-3848	7
1035	★ SAM&LIBBY	714-529-9678	+0
1036	★ BOARDWALK SURF SKATE&SNOW	714-529-2053	9
1037	★ SAM BREA	714-529-6125	9
	★ SAM GOODY	714-529-6125	4
1041	★ WHITEHALL CO JEWELLERS THE	714-529-6735	8
1042	★ CATHY JEAN	714-671-7965	7
1043	★ SANRIO SURPRISES	714-529-3623	3
1044	★ OSIM USA INC	714-257-0857	9
1045	★ BIG&TALL MENS FASHIONS	714-529-6006	5
1048	★ GENERAL NUTRITION CENTER	714-990-1286	+0
1049	★ SUNCOAST MOTN PCTR	714-256-2292	4

BREA MALL 92821 CONT

1051	★ HELEN GRACE CHOCOLATES	714-990-3022	1
	★ HELEN GRACE CHOCOLATES RTL STR	714-990-0121	8
	★ SUNGLASS HUT INTERNATL	714-529-5644	8
1052	★ COACH STORE THE	714-257-0772	4
1053	★ MIGHTY DUCKS STORE	714-257-0475	5
1055	★ GAP THE	714-529-4112	6
1057	★ HORSTMANS HALLMARK	714-990-3311	6
1059	★ PERFUME GALLERY	714-529-5675	+0
1061	★ SILHOUETTE	714-529-4404	+0
1062	★ LINEAR HAIR INC	714-256-0244	6
1063	★ JEWELERS BENCH	714-529-5566	8
1064	★ NATURALIZER WEST	714-529-1684	+0
1065	BUILDING		
	★ BEANIE BABIES&FRIENDS	714-529-2919	+0
	★ BREA MALL CUSTOMER INFO SV	714-990-2732	8
	★ CANDLE LOVER'S DELIGHT	714-256-0820	+0
	★ CARIBBEAN SUN	714-671-6902	+0
	★ CHARLES DAVID	714-990-0959	6
	★ CIGAR SPOT	714-671-6072	9
	★ CRYSTAL TREASURES	714-671-3833	+0
	★ DEVON BECKE	714-990-1171	2
	★ DIANES SWIMWEAR	714-672-0986	+0
	★ DOLL HOUSE THE	714-671-6902	+0
	★ EASY SPIRIT	714-256-9404	9
	★ ELECTRONICS BOUTIQUE	714-256-1864	9
	★ EMBROIDERY WORLD	714-671-0133	+0
	★ FANTASTIX AMERICA	714-529-5634	+0
	★ GARDEN BOTANIKA	714-990-2480	4
	★ J CREW	714-255-0307	+0
	★ KIDS R KIDS	714-671-7999	9
	★ LAKEVIEW CONST INC	714-255-9459	+0
	★ LAKEVIEW CONSTRUCTION INC	714-671-3933	+0
	★ LANE BRYANT	714-529-6680	5
	★ LIDS	714-257-0361	+0
	★ MARDI GRAS CAFE	714-256-2888	9
	★ METABOLIFE	714-990-1703	+0
	★ MIRY BREA	714-529-8877	+0
	★ MOBILE TELESYS INC	714-255-0028	+0
	★ MY LICENSE	714-671-5965	+0
	★ NOERR PROGRAMS	714-529-3109	5
	★ OCEAN PARADISE	714-256-1799	+0
	★ QING DAO INC	714-255-1686	+0
	★ RENAISSANCE FLOWERS&GIFTS	714-990-5172	+0
	★ SBARROS ITLN EATRY	714-529-9105	4
	★ SCENTS OF NATURE	714-256-1064	+0
	★ SILVER CITY	714-255-1966	+0
	★ SLIM RX	714-256-4040	+0
	★ SPEED LIMIT	714-256-1095	+0
	★ STERLING OPTICAL	714-257-1660	7
	★ STEVE MADDEN SHOES	714-671-2094	9
	★ SUCCESSORIES OF THE BREA MALL	714-529-8144	5
	★ UNIVERSITY GALLERY	714-529-5866	9
	★ VICTORIAS SECRET	714-990-2665	3
	★ WARNER BROS STDO ST	714-990-8600	5
	★ WATCH WORLD INTERNATIONAL	714-671-7907	+0
1065			
1066	★ AMBROSIA	714-255-9404	+0
	★ GUESS JEANS	714-256-4745	2
	★ HOT TOPIC	714-256-0977	8
	★ LEATHER LOFT	714-256-1638	9
1072	★ LIFE UNIFORM SHOP	714-990-6672	5
1080	★ RED ROBIN	714-529-6766	9
1101	★ CRABTREE&EVELYN	714-255-1301	3
1102	★ 9 WEST	714-529-0609	1
1103	★ WILSONS HOUSE SUEDE	714-529-3594	1
1104	★ TRUE COLORS	714-256-0644	9

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RANDOLPH AV S 92821 BREA

WEALTH CODE 3 0

221	XXXX	OO	
227	XXXX	OO	
231	XXXX	OO	
251	★BREA CENTER BAPT CH	714-529-4109	
	★BREA MISSION OF MBCLA	714-257-7983	8
	★CARDOZA B A DC	714-990-5650	1
	★DAVIS JOSEPH G ATTY	714-255-1339	9
	★GOLDEN GATE BAPTIST SEMINARY	714-256-1311	
	★ORANGE COUNTY COMMUNITY CHURCH	714-529-4145	3
	★ORANGE COUNTY SO BAPT ASSN	714-671-1121	
	★QUARRY ROBT E JR DC	714-256-4170	2
	★SOUTHERN BAPTIST CREDIT UNION	714-671-1888	
	★SOUTHRN CA CMPS GLDN GTE SMNRY	714-256-1311	9
259	BUILDING		
	★CONCRETE REINFORCING STL INST	714-257-7302	9
	★EASTWOOD INSURANCE SERVICES	714-780-0079	8
	★EASTWOOD INSURANCE SERVICES	714-680-9903	9
	★NEIGHBORS BILLY G CPA	714-525-8200	8
	★NOWELL RUSSELL P ATTY	714-671-3030	9
	★PRIMERICA FNCL SV SLS OFCS	714-990-1100	9
	★RAE MARY M	714-990-0909	9
	★REDMOND&ASSOCIATES	714-672-1020	8
	★RYAN JUANITA MSN	714-257-1357	9
	★RYTE CONSULTING INC	714-257-2300	7
	★TAYLOR JOEL B ATTY	714-529-4130	9
	★TOTAL QUALITY STAFFING SERV	714-256-6787	9
	★US PIPE&FOUNDRY CO	714-671-7944	9
	★WASTEWORKS INTERNATIONAL INC	714-672-4730	8
259			
265	BUILDING		
	★CAREER PREP ENTPRS	714-529-8981	
	★CLARKE&YARD CPAS	714-990-6694	+0
	★COOPER POWER SYSTEM	714-671-1033	3
	★ESHOM JOHN C INS	714-671-9792	1
	★KUCHEL HAL CONSLTNT	714-671-2996	2
	★OCS	714-256-9136	8
	★OMNI HEALTH CENTER	714-255-8389	9

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WEALTH CODE 9 0

100	BUILDING		
	★ALLSTATE INS AGENT	990-2941	
	★BLOCK H&R	256-7316	3
	★CRYSTAL GALLERIES	990-6035	+5
	★MIRACLE EAR HRNG CT	529-7730	+5
	★SEARS ALL OTHER	256-7300	
	★SEARS AUTOMTV SALES	256-7490	+5
	★SEARS DRAPERY CLNG	543-9279	4
	★SEARS HEARING AID	529-0567	+5
	★TUX DEN	256-1720	4
	★WESTRN STS OPTICAL	990-4353	
100			
180	★RED ROBIN BRGR&SPRT	529-6766	0
200	★BROADWAY DEPT STORE	990-1400	
	★BROADWAY DEPT STRS	671-0470	4
	★BROADWAY DEPT STRS	671-0321	4
204	★1 POTATO 2 INC	990-8439	0
206	★HAAGEN DAZS ICE CRM	529-9434	0
212	★PANDA EXPRESS	255-8160	1
217	XXXX	00	
250	★RED LOBSTER RSTRNT	529-0632	9
270	★OLIVE GARDEN REST	255-1332	
300	★ROBINSONS MAY	990-3111	4
	★ROBINSONS MAY TRVL	990-4101	4
400	★J C PENNEY CATALOG	671-0971	4
	★J C PENNEY DECOR	671-0436	4
	★J C PENNEY SALON	671-1019	4

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RANDOLPH AV S 92621 BREA

WEALTH CODE 3.0

221	XXXX	00	
227	XXXX	00	
231	XXXX	00	
232	XXXX	00	
251.....	BUILDING		
	★BAPTIST BOOK STORE	256-0277	0
	★BREA CENTER BAPT CH	529-4109	
	★CARDOZA B A DC	990-5650	1
	★DAVIS JOSEPH G ATTY	256-9595	3
	★DIVISION CH LOANS	529-6951	1
	★GOLDEN GATE BAPT	256-1311	0
	★ORANGE CO CMNTY CH	529-4145	3
	★ORANGE CO CMNTY CH	529-2389	+5
	★ORANGE CO SO BAPT	671-1121	0
	★QUARRY ROBT E JR DC	256-4170	2
	★SOUTHRN BAPT UNION	671-1888	0
	★SOUTHRN CA CAMPUS	256-1311	0
251.....			
259	★ALLSTATE INS SALES	529-7729	8
	★BAINBRIDGE MRTG THE	990-2100	8
	★C C I C	990-9686	
	★COMPUTER CREDIT INS	990-9686	
	★EASTWOOD INS SERV	255-2886	4
	★O C S	256-9136	+5
	★OSTERMANN D T PHD	990-5459	0
	★R S R INTERNATL AG	529-9480	2
	★US PIPE&FOUNDRY CO	671-7944	8
265.....	BUILDING		
	★ASSOCTE FNCL SERVS	256-1300	3
	★BRITE VUE GLASS SYS	671-0355	+5
	★CAREER PREP ENTPRS	529-8981	0
	★COMCO MANAGEMENT	990-5000	1
	★COOPER POWER SYSTEM	671-1033	3
	★EFM MORTGAGE BNKRS	256-7827	+5

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100	★ALLSTATE INS SALES	990-2941	5
	★BLOCK H&R	990-6020	+0
	★SEARS	990-6020	
	★SEARS CATALOG ORDER	256-0241	+0
	★SEARS FNCL NTWRK CT	990-2941	
	★SEARS TUXEDO RNTLS	990-6020	
	★WESTRN ST OPTICAL	990-4353	
180	★RED ROBIN BRGR&SPRT	529-6766	+0
200	★BROADWAY DEPT STORE	990-1400	
	★PIEKARSKI MARK J DR	990-2782	
204	★1 POTATO 2 INC	990-8439	+0
206	★HAAGENDAZS SHOPPES	529-9434	+0
217	★CA FRIES	529-7160	+0
250	★RED LOBSTER RSTRNT	529-0632	9
270	★OLIVE GARDEN RSTRNT	255-1332	+0
300	★GILHOOLYS REST&PUB	990-4202	4
	★MAY CO	990-3111	
	★MAY CO FINE JEWELRY	671-2905	7
	★MAY CO WRLD TRAVEL	990-4101	4
400	XXXX	00	
500	★NORDSTROM	529-0123	
600	★MAGNOLIAS PEACH	990-4494	4
1002	★GREAT EXPECTTN HAIR	990-6200	3
1004	★SUNSHINE BEAUTY SPL	671-0490	9
1005	XXXX	00	
1008	★UNITD ARTIST CNMA 4	990-4021	
	★UNITD ARTISTS CIN4	990-4021	

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BREA MALL 92621 CONT

1010	XXXX	00	
1012	★HARDY SHOES	990-1144	3
1014	★BREA PETS	990-0702	
1016	★CARD AMERICA	529-9512	8
1018	★HICKORY FARMS OF OH	529-7445	
1020	★CHESS KING	529-9243	
1022	★KARLS TOYS HOBBIES	990-2601	
1024	★LITTLE FOLKS	671-1536	+0
1026	★NATURALIZER WEST	529-1684	+0
1036	★RITZ CAMERA CENTERS	671-1962	2
1038	★PAC SUNWEAR	529-4141	+0
1040	★G H Q FOR MEN	671-0884	6
1041	★CORPORATE PROPERTY	255-0133	9
1048	XXXX	00	
1050	★HARRIS&FRANK BREA	990-3101	1
1054	★PETRIES	529-0512	8
1058	★KINNEY SHOES	671-0100	3
1060	★CONTEMPO CASUALS	529-9233	
1063	★LAWSONS JEWELERS	529-7852	
1064	★TEDS CLOCK EMPORIUM	529-0880	6
1065	★BROOKS FASHIONS	529-4878	5
1068	★J BURTON JEWELERS	529-1441	+0
	★MATSUOKA STAN DR	990-9311	
1080	XXXX	00	
1082	★FANFARES	990-4760	7
1086	★RED EYE INC	990-3512	6
1088	★DAVID JAMES MENS SH	529-2053	5
1089	★LEEDS SHOE STORES	529-9845	
1091	★BREA GALLERY INC	990-6636	+0
1092	★LEAHS FABRIC GLLRY	671-1210	2
1094	★BAKER C H SHOE STR	529-9489	1
1096	★PARKLANE HOSIERY ST	529-9524	
1098	★GYMBOREE STORE THE	990-2231	9
1100	★DECK THE WALLS	529-0545	5
1102	★WET SEAL	529-8141	7
1108	★BIG&TALL MENS FSHN	990-4442	3
1110	★COASTLAND CONSTR CO	990-2687	+0

RANDOLPH AV S 92621 BREA

221	XXXX	00	
227	XXXX	00	
228	★BREA COUNSELING CTR	990-1626	5
	★INDEP DESIGN CNCPTS	990-1147	+0
	★PROFSNL FNCL CNSLTS	529-5400	6
	★TRACY BERT PHD	990-1626	5
231	XXXX	00	
232	★AD AGENCY GROUP THE	990-2377	9
	★JOHNSON OWEN&ASSOC	990-2388	+0
	★MORTIMER R&ASC INS	990-4430	9
	★MUTUAL HME MRTG INC	671-1188	7
	★RATES&SERVICE INC	255-0885	9
236	XXXX	00	
242	XXXX	00	
243	XXXX	00	
245	XXXX	00	
251	★BAPTIST BOOK STORE	256-0277	+0
	★BREA CTR BPTST CH	529-4109	
	★GOLDEN GATE BAPT	256-1311	+0
	★GORMAN W R&ASSOCTS	256-1876	+0
	★J M ENTERPRISES	529-9331	+0
	★ORANGE CO SO BAPT	671-1121	+0
	★SOUTHRN BAPT UNION	671-1888	+0
	★SOUTHRN CA CAMPUS	256-1311	+0
	★SPANISH CONNECTION	671-0670	+0
259	★ALLSTATE INS SALES	529-7729	8
	★BAINBRIDGE MRTG THE	990-2100	8
	★COMPUTER CREDIT INS	990-9686	4
	★FAR WEST LENDING	671-6868	6
	★OSTERMANN D T PHD	990-5459	+0
	★P&B FINANCIAL	529-5222	+0
	★SACKETT MICHAEL&ASC	671-9330	9
	★US PIPE&FOUNDRY CO	671-7944	8
265	★ASSOCTD CLAIMS MGT	529-3960	7
	★ASSOCTD CLAIMS MGT	990-0877	8
	★ASSOCTE FNCL SV INC	256-0230	+0
	★CAREER PREP ENTPRS	529-8981	+0
	★EASTWICK INS AGENCY	255-2886	+0
	★FINANCL SECRTY MKTG	990-9657	5
	★I T N INS SERVS INC	990-0222	9
	★OMEGA CLAIMS SERVS	671-2103	9
	★R S R INTERNATL AG	529-9480	8
267	XXXX	00	
269	XXXX	00	
283	XXXX	00	

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BREA MALL 92621 BREA

100.....	BUILDING		
	ALLSTATE INS CO	990-2941	+5
	ALLSTATE SAVNGS&LN	529-4997	4
	BLOCK H&R	990-6020	+5
	COLDWELL BKR FNCL	529-4961	+5
	DEAN WITTER REYNOLD	529-4794	4
	NORTH ORG OCC STORE	990-1355	9
	ORANGE CO REGL OCCU	529-8700	1
	SEARS	990-6020	
	SEARS CATALOG	990-6000	8
	SEARS FNCL NETWORK	529-4997	4
	SEARS FNCL NETWORK	529-4794	+5
	SEARS FNCL NETWORK	529-4961	+5
	SEARS FNCL NETWORK	990-2941	+5
	SEARS SAVINGS BANK	529-4997	
	WESTERN ST OPTICAL	990-4353	9
100.....			
200	BROADWAY DEPT STORE	990-1400	9
	PIEKARSKI MARK J DR	990-2782	0
300	GILHOOLYS REST&PUB	990-4202	4
	MAY CO FINE JEWELRY	671-2905	4
	MAY CO WRLD TRAVEL	990-4101	4
	MAY COMPANY	990-3111	8
400	ICE CAPADES CHALET	990-4445	8
500	NORDSTROM	529-0123	0
600	MAGNOLIAS PEACH	990-4494	4
1000	WILLIAM ROBERTS	990-6611	3
	WILLIAM ROBERTS JWL	990-6611	
1002	GREAT EXPECTATNS PR	990-6200	3
1005	FLIPPER FLAPPER	529-8055	8
1008	UNITD ARTISTS CIN4	990-4021	9

RANDOLPH AV S 92621 BREA

221	STEVE TAPPARO	671-1670	+5
227	XXXX	00	
228.....	BUILDING		
	A F A C T	990-5657	+5
	BEST COURIER SERV	990-9093	+5
	BREA COUNSELING CTR	990-1626	+5
	CA AMER INTL FRGHT	990-8894	+5
	CLUB USA	990-4972	+5
	DARRAS TRANSPORTATN	990-0783	+5
	FAVALORA SHIRLEY	990-5932	+5
	HAWK ENTERPRISES	990-6883	4
	JOHNSON OWEN&ASC	990-2377	+5
	JOHNSON OWEN&ASC	990-2388	+5
	MACMAHON RICK LCSW	990-6421	+5
	NATL AMER SPACE PRD	990-9630	4
	NORTH CMNTY FREE CH	671-3939	+5
	PANDA PROGRAMS	990-6800	+5
	RATES&SERVICE INC	529-4913	+5
	REH TAB TRANS SERVS	990-2011	+5
	RESIDENTIAL CARE CT	990-6906	4
	T H I S CORP	990-4995	4
	TRACY BERT PHD	990-1626	+5
	VIDEO PULSE	990-6800	+5
228.....			
231	BAYATI&ASSOCIATES	529-6951	
241	MORGAN STEVEN H	529-6448	+5
242	XXXX	00	
243	KARR JIM A	990-0259	4
245	XXXX	00	
247	XXXX	00	
251	BREA CT BAPT CHURCH	529-4109	6
259	ARMCO BUILDNG SYSTM	990-0437	+5
	ASSOCTE FEDRL SVNGS	990-3900	+5
	CHASE WETHERS INS	990-4921	4
	COMPUTER CREDIT INS	990-9686	4
	LOMAX JERRY A CPA	990-3867	3
	LUFKIN INDUSTRIES	529-1862	+5
	NATL PRODUCTION SYS	990-6941	4
	NIELSEN AC CO	529-0990	4
	TEMP ASSOCIATES BRE	529-9641	3
265	AMER GUARANTEE MRTG	990-3939	+5
	ASSOCTD CLAIMS MGT	990-0877	4
	BROCK M J&SONS INC	529-8170	+5

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BREA MALL 92621 BREA

100	ALLSTATE INS SL BR	990-6020	8
	NORTH ORG CO PRGRM	990-1355	9
	SEARS ROEBUCK	990-6020	
	SEARS ROEBUCK CATLG	990-6000	8
	SEARS ROEBUCK PCKUP	990-6020	8
	WESTERN ST OPTICAL	990-4353	9
200	BROADWAY BREA	990-1400	9
	PIEKARSKI MARK J DR	990-2782	+0
300	MAY CO WRLD TRVL BR	990-3111	9
	MAY COMPANY	990-3111	8
400	BREA MALL ICE CAPAD	990-4445	8
	ICE CAPADES CHALET	990-4445	8
500	NORDSTROM	529-0123	+0
1000	ROBERTS WM JEWELERS	990-6611	9
1005	BREA MALL FLIP FLAP	529-8055	+0
	FLIPPER FLAPPER	529-8055	8
1008	GRANGER CLYDE	529-4034	+0
	UNITD ARTISTS CIN4	990-4021	9
1010	BREA MALL GINGISS	990-3271	+0
	GINGISS FORMALWEAR	990-3271	8
1012	HARDY SHOE STORES	990-9744	8
1014	BREA PETS	990-0702	8
1016	BREA MALL SHAFFER	529-9512	8

RANDOLPH AV S 92621 BREA

224	XXXX	00	
227	CONTRERAS GEORGENE	990-3716	+0
231	BAYATI&ASSOCIATES	529-6951	5
232	XXXX	00	
236	JOHNSON CECIL E	529-3411	4
245	XXXX	00	
247	XXXX	00	
251	BREA CNTR BAPT CH	529-4109	6
259	XXXX	00	
267	CALIF ST OPTICAL	990-3304	9
269	XXXX	00	
283	TRAVEL NETWORKS OFC	990-5555	9
297	ALPHYS RSTRNTS BREA	990-4291	+0
299	BARCLAYS BK OF CA	738-7700	+0
NO #	HOUSEHLD FNC BREA	990-4175	+0

★ 7 BUS 8 RES 4 NEW

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1974
SOURCE: HAINES

BREA MALL

STREET NOT LISTED

1974
SOURCE: HAINES

RANDOLPH AVENUE

RANDOLPH AV S 92621 BREA

221	ALVAREZ PHIL	529-0127+4
224	HOLLITZ RHYNIE	529-0596+4
227	XXXX	00
232	XXXX	00
236	JOHNSON CECIL E	529-3411+4
241	HART THOS H	529-8613+4
245	DETWILER GARY D	529-1463+4
247	MARQUARDT J W	529-2687
251	*FIRST SO BAPT CH	529-4109+4
255	LLOYD DENNIS F	529-4322+4
259	SCHNEIDER JACK MRS	529-3438+4
	*SEE SAW CRAFTS	529-8388+4
263	HOBB L E	529-3217
269	LEYVA RAMON	529-2507
275	CASTOR JO ANN	529-2347
	CASTOR RALPH L	529-2347

* 2 BUS 14 RES 9 NEW

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1972
SOURCE: HAINES

BREA MALL

STREET NOT LISTED

1972
SOURCE: HAINES

RANDOLPH AVENUE

RANDOLPH AV S 92621 BREA

227	XXXX	00
232	EHRICH WALTER R	529-5639+2
236	ROBERSON D H MRS	529-3411
245	MARANG LYNN	529-4086+2
247	MARQUARDT J W	529-2687
251*	FIRST STHRN BAPT CH	529-4109
	WITT FRANK REV	529-4109
259	MORGAN HOMER	529-6083+2
263	HOBB L E	529-3217
269	LEYVA RAMON	529-2507
275	CASTOR JO ANN	529-2347
	CASTOR RALPH L	529-2347

* 1 BUS 11 RES 3 NEW

DRAFT

1966
SOURCE: STREET ADDRESS DIRECTORY

BREA MALL

STREET NOT LISTED

1966
SOURCE: STREET ADDRESS DIRECTORY

RANDOLPH AVENUE

RANDOLPH AVE SO

224	WOODS R L	529-1128
225	PERRIN J	529-3149
227	CONTRERAS G	529-6854
236	ROBERSON D H MRS	529-3411
239	ROOT CLARK W	529-2809
245	QUINTINA M	529-5624
247	MARQUARDT J W	529-2687
251	BAPTIST CHURCH	529-4109
259	DOYING C W	529-3359
263	HOBB L E	529-3217
269	LEYVA R	529-2507
275	CASTOR RALPH L	529-2347

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1960
SOURCE: STREET ADDRESS DIRECTORY

BREA MALL

STREET NOT LISTED

1960
SOURCE: STREET ADDRESS DIRECTORY

RANDOLPH AVENUE

RANDOLPH AV SOUTH CONTINUED

221	WADE RODNEY W	JA91730
224	WILLIAMSON P V	JA92729
225	PERRIN J	JA93149
228	YOUNG JAMES O	JA92376
231	MC CABE DORA P	JA93134
232	MOSELEY CHARLES T	JA92725
236	ROBERSON D H MRS	JA93411
238	ABERNATHY R M	JA91778
239	ROOT CLARK W	JA92809
241	DAY FRED	JA93782
245	SUMMERS JAS E	JA93871
247	LAGO WM A	JA92300
255	DOYING CLARENCE W	JA93359
263	HOBB L E	JA93217
267	BARRON C W REV	JA93430
269	LEYVA R	JA92507
275	CASTOR RALPH L	JA92347

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STREET NOT LISTED

RANDOLPH AVENUE SOUTH

221	KAHN MICHAEL	JA93635
224	WILLIAMSON P V	JA92729
225	PERRIN J	JA93149
227	CONTRERAS V J	JA92846
228	NIENHOUSE JOHN	JA93739
231	MC CABE DORA P	JA93134
232	MOSELEY CHARLES T	JA92725
236	JOHNSON C E	JA93411
238	WILLIAMS S M	JA93250
239	ROOT CLARK W	JA92809
245	BOSCHE GENE A	JA93351
263	HOBB L E	JA93217
269	LEYVA R	JA92507
275	JONES DICK	JA93891

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--- END REPORT ---

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APPENDIX 6

Agency Records

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Site Identification

Sears #1638/6458/8358
100 Brea Mall
Brea, CA 92821
County
Orange

CERS ID
10140819

EPA ID Number
CAD980892301

Submittal Status

Submitted on 4/14/2017 by *James Tunney* of SEARS, Roebuck & Co. / Kmart Corporation (Hoffman Estates, IL)
Submittal was *Accepted*; Processed on 8/2/2017 by *Shruthi Sill* for Orange County Environmental Health

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	Yes

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	No

Hazardous Waste

Is your facility a Hazardous Waste Generator?	Yes
Does your facility treat hazardous waste on-site?	No
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	No
Does your facility consolidate hazardous waste generated at a remote site?	No
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	No
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	No
Is your facility a Household Hazardous Waste (HHW) Collection site?	No

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	No
Does your facility own or operate ASTs above these thresholds? Store greater than 1,320 gallons of petroleum products (new or used) in aboveground tanks or containers.	No
Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	No

Additional Information

No additional comments provided.

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Printed on 1/17/2018 8:15 AM

Facility/Site

Sears #1638/6458/8358
100 Brea Mall
Brea, CA 92821

CERS ID
10140819

Submittal Status

Submitted on 4/14/2017 by *James Tunney* of SEARS, Roebuck & Co. / Kmart Corporation (Hoffman Estates, IL)
Submittal was *Accepted*; Processed on 8/2/2017 by *Shruthi Sill* for Orange County Environmental Health

Identification

Sears, Roebuck & Co.

Operator Phone	Business Phone	Business Fax	Beginning Date	Ending Date	
(847) 286-3667	(714) 256-7300		3/1/2017	3/1/2018	
			Dun & Bradstreet	SIC Code	Primary NAICS
			001629955	5311	452111

Facility/Site Mailing Address

3333 Beverly Road, B5-348A
Hoffman Estates, IL 60179

Primary Emergency Contact

Carlos Gonzalez
Title
Store Manager

Business Phone	24-Hour Phone	Pager Number
(714) 256-7300	(562) 292-6771	

Owner

Sears, Roebuck & Co.
(847) 286-3667
3333 Beverly Road, B5-348A
Hoffman Estates, IL 60179

Secondary Emergency Contact

Jesse Young
Title
Assistant Store Manager, Operations

Business Phone	24-Hour Phone	Pager Number
(714) 256-7300	(714) 310-2334	

Billing Contact

James Tunney
(847) 286-3667 james.tunney@searshc.com
3333 Beverly Road, B5-348A
Hoffman Estates, IL 60192

Environmental Contact

James Tunney
(847) 286-3667 james.tunney@searshc.com
3333 Beverly Road, B5-348A
Hoffman Estates, IL 60192

Name of Signer	Signer Title	Document Preparer
James Tunney	Environmental Specialist	James Tunney

Additional Information

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

Phone

Mailing Address

Assessor Parcel Number (APN)

Number of Employees

Facility ID

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Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SEARS, Roebuck & Co. / Kmart Corporation**
Facility Name **Sears #1638/6458/8358**
100 Brea Mall, Brea 92821

Chemical Location **Auto Center**

CERS ID **10140819**
Facility ID
Status **Submitted** on 4/14/2017 11:26 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**New Motor Oil** CAS No Mixture	**Gallons** State: Liquid Type: Mixture	**830** Storage Container: Aboveground Tank, Steel Drum Days on Site: 365	**250**	620 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire	Petroleum Oils	98 %	8002-05-09
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B, Other Health Hazard	**Used Motor Oil** CAS No Mixture	**Gallons** State: Liquid Type: Waste	**500** Storage Container: Aboveground Tank Days on Site: 365	**500**	250 Pressue: Ambient Temperature: Ambient	5500 Waste Code: 221	- Fire - Reactive - Pressure Release - Acute Health - Chronic health	Waste Petroleum Hydrocarbons	100 %	8002-05-09
DOT: 4.1 - Flammable Solids Other Health Hazard	**Used Motor Oil Filters** CAS No Mixture	**Cu. Feet** State: Liquid Type: Waste	**108** Storage Container: Steel Drum, Other Days on Site: 365	**108**	54 Pressue: Ambient Temperature: Ambient	108 Waste Code: 223	- Fire - Reactive - Pressure Release - Acute Health - Chronic health	Petroleum Hydrocarons	100 %	8002-05-09
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B, Irritant	**New Antifreeze** CAS No Mixture	**Gallons** State: Liquid Type: Mixture	**165** Storage Container: Steel Drum Days on Site: 365	**55**	83 Pressue: Ambient Temperature: Ambient	Waste Code	- Acute Health - Chronic health	Ethylene Glycol Diethylene Glycol	87 % 5 %	107-21-1 111-46-6
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B, Irritant	**Used Antifreeze** CAS No Mixture	**Gallons** State: Liquid Type: Waste	**250** Storage Container: Aboveground Tank Days on Site: 365	**250**	125 Pressue: Ambient Temperature: Ambient	1800 Waste Code: 343	- Acute Health - Chronic health	Ethylene Glycol Diethylene Glycol	87 % 5 %	107-21-1 111-46-6
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Used Lead Acid Batteries** CAS No Mixture	**Gallons** State: Liquid Type: Waste	**250** Storage Container: Other Days on Site: 365	**1.2**	125 Pressue: Ambient Temperature: Ambient	4500 Waste Code: 792	- Acute Health - Chronic health	Sulfuric Acid	35 %	7664-93-9
DOT: 4.1 - Flammable Solids Combustible Liquid, Class III-B, Other Health Hazard	**Waste Absorbent Materials** CAS No Mixture	**Gallons** State: Solid Type: Waste	**30** Storage Container: Steel Drum Days on Site: 365	**30**	15 Pressue: Ambient Temperature: Ambient	720 Waste Code: 221	- Fire - Reactive - Pressure Release - Acute Health - Chronic health	Petroleum Ethylene Glycol	1 % 1 %	8002-05-09 107-21-1

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Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SEARS, Roebuck & Co. / Kmart Corporation** | Chemical Location | CERS ID **10140819**

Facility Name **Sears #1638/6458/8358** | **Auto Center** | Facility ID

100 Brea Mall, Brea 92821 | Status **Submitted on 4/14/2017 11:26 AM**

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS CAS No.
	Waste Lead Weights (tire weights) CAS No Mixture	**Gallons** State: Solid Type: Waste	**3** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**1**	1.5 Pressue: Ambient Temperature: Ambient	24 Waste Code: 181	- Acute Health	Lead, unspecified	100 %	Mixture
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B, Irritant, Toxic	**Floor Degreaser** CAS No Mixture	**Gallons** State: Liquid Type: Mixture	**55** Storage Container: Steel Drum Days on Site: 365	**55**	27.5 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire - Acute Health	Sodium Xylene Sulfonate Ethylene Glycol Monobutyl Ether Undecyl Alcohol + 5 EO Polyethoxylate Sodium Metasilicate Sodium Hydroxide	5 % 5 % 5 % 5 % 1 %	1300-72-7 111-76-2 34398-01-1 6834-92-0 1310-73-2
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B, Irritant	**New Transmission Fluid** CAS No Mixture	**Gallons** State: Liquid Type: Mixture	**165** Storage Container: Steel Drum Days on Site: 365	**55**	83 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire - Acute Health - Chronic health	Petroleum Hydrocarons	85 %	64743-57-0
DOT: 2.2 - Nonflammable Gases Other Health Hazard	**Reclaimed refrigerant** CAS No 811-97-2	**Pounds** State: Gas Type: Waste	**100** Storage Container: Cylinder Days on Site: 365	**30**	50 Pressue: > Ambient Temperature: Ambient	200 Waste Code	- Pressure Release - Acute Health	tetrafluoroethane	100 %	811-97-2

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Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SEARS, Roebuck & Co. / Kmart Corporation**
Facility Name **Sears #1638/6458/8358**
100 Brea Mall, Brea 92821

Chemical Location **Full Line Store - Hazardous Waste Storage Area**

CERS ID **10140819**
Facility ID
Status **Submitted on 4/14/2017 11:26 AM**

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS - CAS No.
DOT: 2.1 - Flammable Gases Flammable Gas	**Waste Propane** CAS No 74-98-6	**Gallons** State: Liquid Type: Waste	**20** Storage Container: Cylinder Days on Site: 365	**20**	10 Pressue: > Ambient Temperature: Ambient	60 Waste Code: 612	- Fire - Pressure Release	Liquified Propane gas	100 % 100 %	74-98-6
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Waste Flammable Liquids** CAS No 67-63-0	**Gallons** State: Liquid Type: Waste	**65** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**65**	33 Pressue: Ambient Temperature: Ambient	195 Waste Code: 214	- Fire - Reactive - Pressure Release - Acute Health - Chronic health	Isopropyl Alcohol	100 % 60 %	67-63-0
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Waste Corrosives - Acidic** CAS No Mixture	**Gallons** State: Liquid Type: Waste	**20** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**20**	10 Pressue: Ambient Temperature: Ambient	60 Waste Code: 135		Waste Acidic Corrosives, Unspecified	100 %	Mixture
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Waste Corrosives - Basic** CAS No Mixture	**Gallons** State: Liquid Type: Waste	**20** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**20**	10 Pressue: Ambient Temperature: Ambient	60 Waste Code: 123		Waste Basic Corrosives, Unspecified	100 %	Mixture
DOT: 5.1 - Oxidizing Substances Oxidizing, Class 1	**Waste Oxidizers** CAS No 7681-52-9	**Gallons** State: Liquid Type: Waste	**65** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**65**	33 Pressue: Ambient Temperature: Ambient	195 Waste Code: 212	- Reactive - Acute Health	Hypochlorite	100 % 13 %	7681-52-9
DOT: 6.1 - Toxic Substances Toxic	**Waste Toxics** CAS No 94-75-7	**Gallons** State: Liquid Type: Waste	**65** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**65**	33 Pressue: Ambient Temperature: Ambient	195 Waste Code: 133	- Acute Health - Chronic health	2,4-D	100 % 1 %	94-75-7
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Waste Aerosols** CAS No 64742-47-8	**Pounds** State: Liquid Type: Waste	**210** Storage Container: Plastic/Non-metalic Drum, Other Days on Site: 365	**210**	105 Pressue: > Ambient Temperature: Ambient	1550 Waste Code: 612	- Fire - Pressure Release	Aliphatic Hydrocarbon	100 % 50 %	64742-47-8

DRAFT

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SEARS, Roebuck & Co. / Kmart Corporation**
Facility Name **Sears #1638/6458/8358**
100 Brea Mall, Brea 92821

Chemical Location **Full Line Store - Janitorial Closet**

CERS ID **10140819**
Facility ID
Status **Submitted** on 4/14/2017 11:26 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B, Irritant, Toxic	**Floor Stripper** CAS No Mixture	**Gallons** State Liquid Type Mixture	**120** Storage Container Box Days on Site: 365	**15**	60 Pressue Ambient Temperature Ambient	Waste Code	- Acute Health	2-Butoxyethanol Monoethanolamine Potassium Hydroxide	30 % 20 % 5 %	111-76-2 141-43-5 1310-58-3

DRAFT

Hazardous Materials And Wastes Inventory Matrix Report

ERS Business/Org. **SEARS, Roebuck & Co. / Kmart Corporation**

Facility Name **Sears #1638/6458/8358**

100 Brea Mall, Brea 92821

Chemical Location **Product Service Center- North Wall Behind office**

CERS ID **10140819**

Facility ID

Status **Submitted on 4/14/2017 11:26 AM**

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B, Other Health Hazard, Irritant	**Waste Gasoline** CAS No 8006-61-9	**Gallons** State Liquid Type Waste	**30** Storage Container Steel Drum Days on Site: 365	**30**	15 Pressue Ambient Temperature Ambient	100 Waste Code 213	- Fire - Chronic health	Gasoline	100 %		8006-61-9

DRAFT

INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

PR0029526

SEARS ROEBUCK & CO #6458
100 BREA MALL
BREA, CA 92821

Record ID: FA0025156
Inspection Date: 10/17/2016
Reinspection Date: 11/16/2016

Type of Facility: 5112-HAZARDOUS WASTE GENERATOR
11-25 EMPLOYEES
Service: A01-**ROUTINE INSPECTION**
S Sill
HAZARDOUS WASTE SPECIALIST I
(714) 292-7832

Mailing Address:
SEARS OPERATIONS LLC
MIKE OLSEN
3333 BEVERLY RD
HOFFMAN ESTATES, IL 60192

THE ITEMS NOTED BELOW WERE OBSERVED DURING THE COURSE OF A SITE VISIT. ANY VIOLATIONS OBSERVED MUST BE CORRECTED.

I325 - Owner/Operator determined whether waste is a hazardous waste and retained waste analysis for 3 years Failure to determine if the waste generated is a hazardous waste and to maintain analysis results for three years. 22 CCR 12 66262.11, 66262.40(c)
A 30 gallon drum is labeled was labeled waste gasoline, but per the mechanic on-site they use it to dispose of their waste break fluid. Mr. Lopez, automotive manager, is unsure of what is inside the drum. Please make a waste determination of this drum prior to disposal. Please submit the results to this agency within 30 days.

I400 - Generator properly labeled all containers or tanks containing hazardous waste as required Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date. 22 CCR 12 66262.34(f)
The two 30 gallon waste gasoline containers did not have any accumulation start date written on them. Please make sure all containers holding hazardous waste has the following information on the label: "Hazardous Waste", waste (name), hazard property (Eg: toxic, flammable, corrosive, reactive etc.), physical state (solid, liquid), accumulation start date, and the business address.

I474 - Owner/Operator maintained a signed copy of manifests from the designated facility for 3 years Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years. 22 CCR 12 66262.40(a)
No manifest was available for review for the shop/ receiving area of the store. Please make sure to maintain manifests on-site for at least three years.

On site to conduct a routine hazardous waste inspection. Consent to enter, inspect and take any necessary photos was given by the Customer Service Advisor, Dennis Garcia at 2:14pm. The hazardous waste containers found here:

- Waste Antifreeze = 150 gallon tank
- Used oil = 500 gal tanks
- Empty oil containers
- Clarifier water
- Brake Fluid = 30 gal
- Parts Cleaner
- Waste gasoline
- Used oil filters = 800 pounds (4X 55 gal drums)
- Aerosols = 200 pounds (2X 55 gal drums)

COPY MAILED TO OWNER
AND/OR
FACILITY OPERATOR

I declare that I have examined and received a copy of this inspection report.

7550 (v3.0) 10/26/2016

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INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

PR0029526

SEARS ROEBUCK & CO #6458
100 BREA MALL
BREA, CA 92821

Record ID: FA0025156
Inspection Date: 10/17/2016

- Fluorescent light bulb boxes = 5 items
No waste was found in the upstairs Shop/ receiving area. All hazardous waste containers were empty.

Walked the perimeter of the site, and there were no hazardous waste spills or discharges observed during this inspection.

The dumpsters outside the store were checked and no issues were observed during this inspection.

Manifests were reviewed for the automotive department and the hazardous waste was picked up by Asbury Environmental Services.

Emergency response information is posted in the break room for the employees.

The weekly inspections are done by the mechanic per Mr. Lopez (Auto Manager).

Employees are trained on hazardous waste management on an annual basis per Mr. Garcia.

Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.

DRAFT

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____

INSPECTION REPORT

County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

PR0029526

SEARS ROEBUCK & CO #6458
100 BREA MALL
BREA, CA 92821

Record ID: FA0025156
Inspection Date: 01/05/2015
Reinspection Date:

Type of Facility: 5112-HAZARDOUS WASTE GENERATOR
11-25 EMPLOYEES
Service: F03-**FOLLOW-UP INSPECTION**
Bob Held
HAZARDOUS WASTE SPECIALIST III
(714) 640-9518
7:00-10:00 AM
bheld@ochca.com

Mailing Address:
ORCHARD SUPPLY HARDWARE LLC
MIKE OLSEN
3333 BEVERLY RD
HOFFMAN ESTATES, IL 60192

INSPECTOR COMMENTS:

On-site for a follow up inspection and to discuss the open violations. Met with Andrew Demeter reviewed manifests and the hazardous waste storage area in receiving.

Obtained consent to conduct the inspection from Mr. Demeter.

Abate violation I475 from the previous inspection report. Copies of TSDF manifests were available and reviewed. Please not that manifest number 00443540 noted in the inspection report was in fact manifest number 00443504.

Abate violation I400 from the previous inspection report. All containers in the hazardous waste storage area are labeled properly with accumulation start dates.

Discussed record keeping today. Manifest tracking needs to be done at this facility. The TSDF signed copy of manifests must be matched with the original left by the transporter.

DRAFT

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____ COPY MAILED TO OWNER AND/OR FACILITY OPERATOR

Signature _____ Date _____

7552 (v3.01) 1/6/2015

INSPECTION REPORT

County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

PR0029526

SEARS ROEBUCK & CO #6458
100 BREA MALL
BREA, CA 92821

Record ID: FA0025156
Inspection Date: 11/25/2014
Reinspection Date:

Type of Facility: 5112-HAZARDOUS WASTE GENERATOR
11-25 EMPLOYEES
Service: F03-**FOLLOW-UP INSPECTION**
Bob Held
HAZARDOUS WASTE SPECIALIST III
(714) 640-9518
7:00-10:00 AM
bheld@ochca.com

Mailing Address:
ORCHARD SUPPLY HARDWARE LLC
MIKE OLSEN
3333 BEVERLY RD
HOFFMAN ESTATES, IL 60192

INSPECTOR COMMENTS:

On-site to attempt a follow up inspection.

Neither Tony Perez or Andrew Demeter were on-site this date.

Manifests could not be reviewed.

A voice mail message was left for Mr. Demeter.

DRAFT

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____

INSPECTION REPORT

County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

PR0029526

SEARS ROEBUCK & CO #6458
100 BREA MALL
BREA, CA 92821

Record ID: FA0025156
Inspection Date: 10/08/2014
Reinspection Date: 11/07/2014

Type of Facility: 5112-HAZARDOUS WASTE GENERATOR
11-25 EMPLOYEES
Service: A01-**ROUTINE INSPECTION**
Bob Held
HAZARDOUS WASTE SPECIALIST III
(714) 640-9518
7:00-10:00 AM
bheld@ochca.com

Mailing Address:
ORCHARD SUPPLY HARDWARE LLC
MIKE OLSEN
3333 BEVERLY RD
HOFFMAN ESTATES, IL 60192

THE ITEMS NOTED BELOW WERE OBSERVED DURING COURSE OF THE SITE VISIT. ANY VIOLATIONS OBSERVED MUST BE CORRECTED

I475 - Owner/Operator properly prepared manifests for transportation of hazardous waste Failure to prepare a hazardous waste manifest for the transport of a hazardous waste for off-site transfer, treatment, storage, or disposal. 22 CCR 12 66262.20
The TSDF copies of the manifests listed below could not be located in auto:

003074890 SKS (10/03/12)
004300682 SKS (04/16/14)
004443540 SKS (06/18/14)
003987138 SKS (11/25/13)

The 2013 manifests for the retail products could not be located during the inspection.

The TSDF signed copy of manifest 000721718 PSC could not be located during the inspection.

I663 - Generator maintains and operates the facility to minimize the possibility of fire/explosion/release Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment. 22 CCR 15 66265.31
A leaking gallon bottle of acid was observed in an open plastic bag in the hazardous materials area in receiving. The bottle was double bagged and placed into the appropriate sealed, labeled container during the inspection.

I400 - Generator properly labeled all containers or tanks containing hazardous waste as required Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date. 22 CCR 12 66262.34(f)
Ensure all containers of universal waste are marked with an accumulation start date immediately.

On-site for a routine inspection. Met with Tony Perez and obtained consent to conduct the inspection.

The auto center manifests were reviewed with Mr. Perez. The retail waste manifests were reviewed with Andrew Demeter.

The containers in the auto shop appeared to be labeled properly. Five (5) containers of universal waste in the receiving area were missing accumulation dates (see violation above).

The facility has an on-line BEP and a copy was observed on-site.

No hazardous waste was observed in the trash.

DRAFT

PR0029526

SEARS ROEBUCK & CO #6458
100 BREA MALL
BREA, CA 92821

Record ID: FA0025156
Inspection Date: 10/08/2014

Discussed the need to keep all leaking wastes contained.

The weekly hazardous waste inspection reports need to be completed correctly. The last inspection stated all containers had accumulation start dates. Five (5) containers of universal waste were observed not to have these dated during the inspection.

DRAFT

I declare that I have examined and received a copy of this inspection report.

Print Name and Title COPY MAILED TO OWNER AND/OR FACILITY OPERATOR

Signature _____ Date _____

Hazardous Waste Stream

10/7/2014 @ 08:40 v 2.4

PR0029526 **SEARS ROEBUCK & CO #6458**

FA0025156 100 BREA MALL , BREA 92821

Contact(s): TONY PEREZ (714)256-7328
PHIL KELLY (714)256-7350

Email: hperez1@searshc.com

Owner Name: ORCHARD SUPPLY HARDWARE LLC

# of Employees: 30 PE: 5112

EPA ID: CAD980892301

Thomas Guide: 709-C7

8/13/2014 (01)

Waste ID	Specific Waste	Location	Max Vol Stored	Units	Form	How Stored	Annual Volume Generated	Annual Volume Disposed	How Disposed	Hauler Code
OIL AND WATER		OUTSIDE IN FRONT OF SHOP	300	GALLONS	SLUDGE / SLURRY	CLARIFIER / SEPARATOR	~~975~~ 1250	975	RECYCLED OFF-SITE - SAFETY KLE	SAFETY-KLEEN *S
WASTE (OR SLOP) OIL (T)	BRAKE FLUID	IN SHOP	30	POUNDS	LIQUID	DRUM >= 55G-METAL	~~30~~ 150	30	RECYCLED OFF-SITE - SAFETY KLE	SAFETY-KLEEN *S
NON - HALOGENATED SOLVENTS	AQUEOUS BASED SOLVENT	SHOP	30	GALLONS	LIQUID	TANK - PROCESS CONTAINER	~~50~~ 420	50	RECYCLED OFF-SITE - SAFETY KLE	SAFETY-KLEEN *S
FUEL WASTE	LAWNMOWER REPAIR GASOLINE	SHOP	30	GALLONS	LIQUID	DRUM >= 55G-METAL	~~30~~ 325	0	RECYCLED OFF-SITE - SAFETY KLE	SAFETY-KLEEN *S
WASTE (OR SLOP) OIL (T)	OIL	SHOP	~~500~~ 600	POUNDS	LIQUID	TANK - ABV/GRND STATIONARY	2390 3800	2390 1645	RECYCLED OFF-SITE - SAFETY KLE	ASBURY ENVIRONMENTAL SERVICES
WASTE (OR SLOP) OIL (T)	FILTERS	SHOP	500	POUNDS	SOLID	DRUM >= 55G-METAL	~~450~~ 1350	450 220	RECYCLED OFF-SITE - SAFETY KLE	SAFETY-KLEEN *S
RADIATOR COOLANT / ETHYLENE GL	ANTIFREEZE	SHOP	150	GALLONS	LIQUID	TANK - ABV/GRND STATIONARY	~~470~~ 135	470	RECYCLED OFF-SITE - SAFETY KLE	ASBURY ENVIRONMENTAL SERVICES
HEAVY METAL WASTE (NON-PLATING	ROTOR METAL DUST	BAGS IN SHOP	50	POUNDS	SOLID	BAG - PAPER/CLOTH/PLASTIC	50	0	RECYCLED OFF-SITE - SAFETY KLE	SAFETY-KLEEN *S
WASTE (OR SLOP) OIL (T)	OILY DEBRIS		100	POUNDS	SOLID	DRUM >= 55G-METAL	100	100	RECYCLED OFF-SITE - SAFETY KLE	ECOLOGY CONTROL INDUSTRIES

E-959

INSPECTION REPORT

County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

PR0029526

SEARS ROEBUCK & CO #6458
100 BREA MALL
BREA, CA 92821

Record ID: FA0025156
Inspection Date: 11/06/2013
Reinspection Date:

Type of Facility: 5112-HAZARDOUS WASTE GENERATOR
11-25 EMPLOYEES
Service: F03-**FOLLOW-UP INSPECTION**
Bob Held
HAZARDOUS WASTE SPECIALIST III
(714) 640-9518
7:00-10:00 AM
bheld@ochca.com

Mailing Address:
ORCHARD SUPPLY HARDWARE LLC
MIKE OLSEN
3333 BEVERLY RD
HOFFMAN ESTATES, IL 60192

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

On-site for a follow up inspection. Met with Carlos Gonzalez and obtained consent to conduct the inspection.

Abate violation W044 from the previous inspection report. The light bulbs and tubes have been disposed of as requested.

Observed the hazardous waste storage area this date. All containers are labeled and the area appears in good order.

DRAFT

I declare that I have examined and received a copy of this inspection report.

Print Name and Title COPY MAILED TO OWNER

Signature AND/OR FACILITY OPERATOR Date

7552 (v3.01) 11/6/2013

INSPECTION REPORT
County of Orange, Health Care Agency, Environment... Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

PR0029526

SEARS ROEBUCK & CO #6458
100 BREA MALL
BREA, CA 92821

Record ID: FA0025156
Inspection Date: 08/13/2013
ReInspection Date: 09/12/2013

Type of Facility: 5112-HAZARDOUS WASTE GENERATOR
11-25 EMPLOYEES
Service: A01-**ROUTINE INSPECTION**

Mailing Address:
ORCHARD SUPPLY HARDWARE LLC
MIKE OLSEN
3333 BEVERLY RD
HOFFMAN ESTATES, IL 60192

Bob Held
HAZARDOUS WASTE SPECIALIST III
(714) 640-9518
7:00-10:00 AM
bheld@ochca.com

THE ITEMS NOTED BELOW WERE OBSERVED DURING COURSE OF THE SITE VISIT. ANY VIOLATIONS OBSERVED MUST BE CORRECTED

W044 - UNIVERSAL WASTES Universal wastes are not managed in compliance with Chapter 23. (CA Code of Regulations 66261.9)
-The light tubes and bulbs need to be containerized and labeled properly. The receiving team was working on this during the inspection, but additional boxes for the longer tubes will have to be ordered.

-The light tubes can only be kept on-site for one (1) year. Please arrange for a disposal of the tight tubes and other universal wastes.

COMMENTS

ZZZ9 - INSPECTOR COMMENTS
On-site for routine inspection. Met with Tony Perez and Darlene Limas this date and obtained consent to conduct the inspection.
Hazardous Waste receipts made available and reviewed

HW containers properly labeled

Facility has an OCHCA hazardous materials disclosure that contains information for the emergency coordinator

Inspected the trash/dumpster and it does not appear to contain hazardous waste.

The perimeter of the facility was also inspected; no obvious signs of releases were noted.

DRAFT

I declare that I have examined and received a copy of this inspection report.

COPY MAILED TO OWNER AND/OR FACILITY OPERATOR

Print Name and Title _____

Signature _____ Date _____

7552 (v3.01) 8/13/2013

Hazardous Waste Stream for Bob Held

7/15/2013 @ 07:54 v 2.4

PR0029526 **SEARS ROEBUCK & CO #6458**

Owner Name: ORCHARD SUPPLY HARDWARE LLC

EPA ID: CAD980892301

FA0025156 100 BREA MALL , BREA 92821

# of Employees: 30 PE: 5112

Thomas Guide: 709-C7

8/1/2013 (01)

Contact(s): TONY PEREZ (714)256-7328
PHIL KELLY (714)256-7350

Email: hperez1@searshc.com

Waste ID	Specific Waste	Location	Max Vol Stored	Units	Form	How Stored	Annual Volume Generated	Annual Volume Disposed	How Disposed	Hauler Code
OIL AND WATER		OUTSIDE IN FRONT OF SHOP	300	GALLONS	SLUDGE / SLURRY	CLARIFIER / SEPARATOR	~~975~~ 1250	975	RECYCLED OFF-SITE - SAFETY KLE	SAFETY-KLEEN *S
WASTE (OR SLOP) OIL (T)	BRAKE FLUID	IN SHOP	30	POUNDS	LIQUID	DRUM >= 55G-METAL	30	30	RECYCLED OFF-SITE - SAFETY KLE	SAFETY-KLEEN *S
NON - HALOGENATED SOLVENTS	AQUEOUS BASED SOLVENT	SHOP	30	GALLONS	LIQUID	TANK - PROCESS CONTAINER	~~50~~ 60	50	RECYCLED OFF-SITE - SAFETY KLE	SAFETY-KLEEN *S
FUEL WASTE	LAWNMOWER REPAIR GASOLINE	SHOP	30	GALLONS	LIQUID	DRUM >= 55G-METAL	30	~~0~~ 30	RECYCLED OFF-SITE - SAFETY KLE	SAFETY-KLEEN *S
WASTE (OR SLOP) OIL (T)		SHOP	500	POUNDS	LIQUID	TANK - ABV/GRND STATIONARY	~~2390~~ 3580	2390	RECYCLED OFF-SITE - SAFETY KLE	ASBURY ENVIRONMENTAL SERVICES
WASTE (OR SLOP) OIL (T)	FILTERS	SHOP	500	POUNDS	SOLID	DRUM >= 55G-METAL	~~450~~ 1200	~~450~~ 150	RECYCLED OFF-SITE - SAFETY KLE	SAFETY-KLEEN *S
RADIATOR COOLANT / ETHYLENE GL	ANTIFREEZE	SHOP	150	GALLONS	LIQUID	TANK - ABV/GRND STATIONARY	~~470~~ 260	470	RECYCLED OFF-SITE - SAFETY KLE	ASBURY ENVIRONMENTAL SERVICES
HEAVY METAL WASTE (NON-PLATING	ROTOR METAL DUST	BAGS IN SHOP	50	POUNDS	SOLID	BAG - PAPER/CLOTH/PLASTIC	50	0	RECYCLED OFF-SITE - SAFETY KLE	SAFETY-KLEEN *S
WASTE (OR SLOP) OIL (T)	OILY DEBRIS		100	POUNDS	SOLID	DRUM >= 55G-METAL	100	100	RECYCLED OFF-SITE - SAFETY KLE	ECOLOGY CONTROL INDUSTRIES

E-962

Sears #1638/6458/8358 (CERSID: 10140819)

Facility Information **Accepted Aug 2, 2017**
Submitted on 4/14/2017 11:26:13 AM by *James Tunney* of SEARS, Roebuck & Co. / Kmart Corporation (Hoffman Estates, IL)
Submittal was ***Accepted*** on 8/2/2017 3:08:58 PM by Shruthi Sill

- Business Activities
- Business Owner/Operator Identification

Hazardous Materials Inventory **Accepted Aug 2, 2017**
Submitted on 4/14/2017 11:26:13 AM by *James Tunney* of SEARS, Roebuck & Co. / Kmart Corporation (Hoffman Estates, IL)
Submittal was ***Accepted*** on 8/2/2017 3:09:55 PM by Shruthi Sill

- Hazardous Material Inventory (20)
- Site Map (Official Use Only)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 409KB)

Emergency Response and Training Plans **Accepted Aug 2, 2017**
Submitted on 4/14/2017 11:26:13 AM by *James Tunney* of SEARS, Roebuck & Co. / Kmart Corporation (Hoffman Estates, IL)
Submittal was ***Accepted*** on 8/2/2017 3:17:46 PM by Shruthi Sill

- Emergency Response/Contingency Plan
  - *Emergency Response/Contingency Plan* (Adobe PDF, 337KB)
- Employee Training Plan
  - Provided In Submital Element: Emergency Response and Training Plans

DRAFT