

**FINAL  
INITIAL STUDY/  
MITIGATED NEGATIVE DECLARATION**

**LAKE FOREST ZONE B TO C PUMP STATION PROJECT**



**LSA**

April 2021

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**FINAL  
INITIAL STUDY/  
MITIGATED NEGATIVE DECLARATION**

**LAKE FOREST ZONE B TO C PUMP STATION PROJECT**



Lead Agency:

Irvine Ranch Water District  
15600 Sand Canyon Avenue  
Irvine, California 92618  
(949) 453-5300  
[www.irwd.com](http://www.irwd.com)

Prepared by:

LSA  
20 Executive Park, Suite 200  
Irvine, California 92614  
(949) 553-0666

**LSA**

April 2021

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## SECTION 1

### INTRODUCTION

In accordance with the California Environmental Quality Act (CEQA) and the *Guidelines for California Environmental Quality Act (State CEQA Guidelines)*, Irvine Ranch Water District (IRWD) is the Lead Agency for the Lake Forest Zone B to Zone C Pump Station Project (proposed Project). This document is the Final Initial Study/Mitigated Negative Declaration (IS/MND) for the proposed Project.

The purpose of the Final IS/MND is to document that IRWD, as the Lead Agency, has considered all comments regarding the environmental information and analyses contained in the Draft IS/MND received during the public review process as required by the *Guidelines for State CEQA Guidelines*, Section 15074(b).

No significant changes have been made to the information contained in the IS/MND as a result of the responses to comments, and no significant new information has been added that would require recirculation of the document. Information provided in this Final IS/MND clarifies, amplifies, or makes minor modifications to the Draft IS/MND.

This document includes an introduction (Section 1), responses to comments received during the public review period (Section 2), and the final IS checklist (Section 3). Section 3 of this document provides a revised/final version of the IS/MND to make minor corrections and clarifications to the public Draft IS/MND as a result of comments received during the public review period. Revisions to the public Draft IS/MND are shown in track changes in Section 3 of this document. Text that has been added is underlined (underlined) and text that has been deleted is shown with strikeout (~~strikeout~~).

The Final IS/MND will be submitted for the consideration of the IRWD Board of Directors. The Board of Directors will have the final decision on whether to adopt the Final IS/MND and approve the proposed Project.

### PUBLIC REVIEW PROCESS

Pursuant to *State CEQA Guidelines*, Section 15073, a Notice of Intent (NOI) to adopt an MND was sent to responsible agencies and trustee agencies in addition to various public agencies and interested individuals concerned with the proposed Project.

The NOI and the IS/MND were circulated for public review for a period of 30 days, from February 18, 2021 through March 19, 2021. Copies of the Draft IS/MND were made available for public review on IRWD's website. As stated above, the NOI was sent to responsible agencies and trustee agencies in addition to various public agencies and interested individuals concerned with the proposed Project.

## INDEX OF COMMENTS RECEIVED

The following is a list of the written comments received on the Draft IS/MND prior to the close of the public comment period or immediately thereafter. Each comment letter received is indexed with a number. Responses to each of the comment letters are provided on the following pages. The comment index numbers are provided in the upper right corner of each comment letter, and individual points within each letter are numbered along the right-hand margin of each letter. IRWD's responses immediately follow each letter and are referenced by the index numbers in the margins.

Comment Code	Commenter	Letter Dated
<b>Regional Agencies</b>		
R-1	Orange County Fire Authority	March 7, 2021
R-2	South Coast Air Quality Management District	March 16, 2021
<b>State Agencies</b>		
S-1	California Department of Transportation (Caltrans) District 12	March 18, 2021

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## SECTION 2

### RESPONSES TO COMMENTS

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# ORANGE COUNTY FIRE AUTHORITY

P. O. Box 57115, Irvine, CA 92619-7115 • 1 Fire Authority Road, Irvine, CA 92602-0125

Brian Fennessy, Fire Chief

(714) 573-6000

[www.ocfa.org](http://www.ocfa.org)

March 7, 2021

Jo Ann Corey, Environmental Compliance Analyst  
IRWD Water Resources & Policy Department  
15600 Sand Canyon Avenue, Irvine CA 92618  
Email: [corey@irwd.com](mailto:corey@irwd.com)

Subject: Notice of Intent to Adopt a Mitigated Negative Declaration– Lake Forest Zone B to C Pump Station Project

Dear Jo Ann Corey:

Thank you for the opportunity to review the subject document. The Orange County Fire Authority (OCFA) provides fire protection and emergency medical services response to 23 cities in Orange County and all unincorporated areas. The OCFA operates 77 fire stations throughout Orange County, several within Irvine and Lake Forest, which includes the project area. Services include: structural fire protection, emergency medical and rescue services, education and hazardous material response. OCFA also participates in disaster planning as it relates to emergency operations, which includes high occupant areas and school sites and may participate in community disaster drills planned by others. Resources are deployed based upon a regional service delivery system, assigning personnel and equipment to emergency incidents without regard to jurisdictional boundaries. The equipment used by the department has the versatility to respond to both urban and wildland emergency conditions.

1

There are no comments. We believe this project will have Less Than Significant Impact with Fire Service.

2

Thank you for providing us with this information. Please contact me at 714-573-6253 if you have any questions.

3

Sincerely,

Robert J Distaso PE  
Fire Safety Engineer  
Planning and Development  
[robertdistaso@ocfa.org](mailto:robertdistaso@ocfa.org)  
[www.ocfa.org](http://www.ocfa.org)

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**REGIONAL AGENCY:** Orange County Fire Authority (OCFA)

**LETTER CODE:** R-1

**COMMENTER:** Robert Distaso, Fire Safety Engineer

**DATE:** March 7, 2021

### **RESPONSE R-1-1**

This comment provides a brief summary of OCFA services.

This comment does not contain any substantive comments or questions about the Draft Initial Study/Mitigated Negative Declaration (IS/MND) or the analysis therein. No further response is necessary.

### **RESPONSE R-1-2**

This comment states that OCFA concurs with the finding in the Draft IS/MND that the proposed Project would have a less than significant impact related to fire service.

Analysis regarding fire services can be found in Section 4.15 of the Draft IS/MND. IRWD thanks OCFA for their concurrence with the analysis in the IS/MND.

### **RESPONSE R-1-3**

The comment concludes the letter.

This comment does not contain any substantive comments or questions about the Draft IS/MND or the analysis therein. No further response is necessary.

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# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

SENT VIA E-MAIL:

March 16, 2021

[corey@irwd.com](mailto:corey@irwd.com)

Jo Ann Corey, Environmental Compliance Analyst  
Irvine Ranch Water District  
Water Resources and Policy Department  
15600 San Canyon Avenue  
Irvine, California 92618

## Mitigated Negative Declaration (MND) for the Proposed Lake Forest Zone B to C Pump Station Project (Proposed Project)

South Coast Air Quality Management District (South Coast AQMD) staff appreciates the opportunity to comment on the above-mentioned document. The following comments are meant as guidance for the Lead Agency and should be incorporated into the Final MND. 1

The Lead Agency proposes to demolish an existing water pump station, and build a 1,791-square-foot water pump station with a capacity of 2,250 gallons per minute and a water management intertie system on 0.41 acres (Proposed Project). Based on a review of the MND and supporting technical documentation, South Coast AQMD staff found that the Proposed Project would include the use of one standby emergency generator with a diesel engine of 315 brake horsepower (bhp). However, the Lead Agency did not identify South Coast AQMD as a Responsible Agency for the standby emergency generator in the MND. Internal combustion engines with a manufacture's rating of greater than 50 bhp require permits from South Coast AQMD. Therefore, the Lead Agency should identify South Coast AQMD as a Responsible Agency for the Proposed Project in the Final MND (CEQA Guidelines Section 15381). Impacts from the permits need to be fully and adequately evaluated and disclosed as required under CEQA Guidelines Section 15096(b). The assumptions in the air quality analysis in the Final MND will be used as the basis for evaluating the permits under CEQA and imposing permit conditions and limits. Questions on permits should be directed to South Coast AQMD's Engineering and Permitting staff at (909) 396-3385. 2

### Conclusion

Pursuant to CEQA Guidelines Section 15074, prior to approving the Proposed Project, the Lead Agency shall consider the MND for adoption together with any comments received during the public review process. Please provide South Coast AQMD with written responses to all comments contained herein prior to the adoption of the Final MND. When responding to issues raised in the comments, responses should provide sufficient details giving reasons why specific comments and suggestions are not accepted. There should be good faith, reasoned analysis in response. Conclusory statements unsupported by factual information do not facilitate the purpose and goal of CEQA on public disclosure and are not meaningful, informative, or useful to decision makers and the public who are interested in the Proposed Project. Please contact me at [lsun@aqmd.gov](mailto:lsun@aqmd.gov), should you have any questions. 3

Sincerely,

*Lijin Sun*

Lijin Sun, J.D.

Program Supervisor, CEQA IGR

Planning, Rule Development & Area Sources

LS

ORC210218-06

Control Number

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**REGIONAL AGENCY:** South Coast Air Quality Management District (SCAQMD)

**LETTER CODE:** R-2

**COMMENTER:** Lijin Sun, Program Supervisor, CEQA IGR

**DATE:** March 16, 2021

### RESPONSE R-2-1

The comment provides introductory statements. This comment does not contain any substantive comments or questions about the Draft IS/MND or the analysis therein. No further response is necessary.

### RESPONSE R-2-2

The comment states that the proposed Project would include the use of one standby emergency generator with a diesel engine of 315 brake horsepower (bhp). The comment further states that internal combustion engines with a manufacturer's rating of greater than 50 bhp require permits from SCAQMD, and therefore requests that the Final IS/MND be revised to include SCAQMD as a Responsible Agency.

Section 15096(b) of the *State CEQA Guidelines* outlines the appropriate response to consultation that should be followed by Responsible Agencies during the environmental review process. It does not address analysis of permits.

As defined in Section 15381 of the *State CEQA Guidelines*, a Responsible Agency is a public agency that proposes to carry out or approve a project for which a Lead Agency is preparing or has prepared an Environmental Impact Report (EIR) or Negative Declaration. For the purposes of CEQA, the term "Responsible Agency" includes all public agencies other than the Lead Agency that have *discretionary approval* power over the proposed project. In contrast, according to Section 15369 of the *State CEQA Guidelines*, *ministerial permits* are those permits involving little or no personal judgement by the public official as to the wisdom or manner of carrying out the proposed project. The public official merely applies the law to the facts as presented but uses no special discretion or judgement in reaching a decision. A ministerial decision involves only the use of fixed standards or objective measurements, and the public official cannot use personal, subjective judgement in deciding whether or how the project should be carried out.

Although permits for construction and operation of the emergency generator will be coordinated with SCAQMD, both permits would be ministerial. Therefore, SCAQMD is not a Responsible Agency, and the IS/MND adequately addressed ministerial actions in Section 2.9.2 and specifically addressed potential impacts associated with operation of the generator in Sections 4.3, Air Quality, 4.6, Energy, and 4.8, Greenhouse Gas Emissions.

### RESPONSE R-2-3

The comment requests that SCAQMD be provided with written notices to the Response to Comments prior to the adoption of the Final IS/MND. The comment also states that responses to comments should provide sufficient detail as to why specific comments and suggestions are not

accepted, and that responses to comments should be supported by factual information in the interest of public disclosure.

Pursuant to *State CEQA Guidelines*, Section 21092.5(a), a lead agency is required to provide written responses to a public agency on comments made only on EIRs. As stated in the Notice of Determination, the responses to comments will be available with the Final IS/MND on IRWD's website: <https://www.irwd.com/doing-business/environmental-documents>. Further, the responses to comments contained herein were prepared in accordance with *State CEQA Guidelines* Section 15088(c). No further response is necessary.

**DEPARTMENT OF TRANSPORTATION**

DISTRICT 12  
1750 EAST 4<sup>TH</sup> STREET, SUITE 100  
SANTA ANA, CA 92705  
PHONE (657) 328-6000  
FAX (657) 328-6522  
TTY 711  
www.dot.ca.gov/caltrans-near-me/district12



*Making Conservation  
a California Way of Life.*

March 18, 2021

Ms. Jo Ann Corey  
Irvine Ranch Water District  
15600 Sand Canyon Avenue  
Irvine, CA 92618

File: IGR/CEQA  
IGR# 2021-01588  
SCH#: 2021020329  
SR 241 PM 22.454

Dear Ms. Corey,

Thank you for including the California Department of Transportation (Caltrans) in the review of the Mitigated Negative Declaration (MND) for the Lake Forest Zone B to C Station Project in the Irvine Ranch Water District. The mission of Caltrans is to provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability.

1

The Irvine Ranch Water District (IRWD) is proposing to construct a new pump station to improve the water quality within IRWD's Zone B to C recycled water system. In addition to the construction of the new Zone B to C Recycled Water Pump Station, the Project would decommission the existing Zone B to C Pump Station, which is located adjacent to the existing IRWD Zone B East Reservoir. The existing pump station has exceeded its useful service life and is not a standard, fully enclosed, IRWD pump station. The demolition of the existing Lake Forest Zone B to C Pump Station would occur after the construction of the proposed new pump station. The proposed Project would also develop a new intertie between the Upper Oso Reservoir and the Lake Forest Zone C distribution system. The proposed intertie would provide the ability to isolate Upper Oso Reservoir from IRWD's recycled water distribution system. The proposed intertie would be closed during normal operations but would be available to augment recycled water supplies into IRWD's Lake Forest Zone C system during

2

maintenance operations of the IRWD system or to deliver excess recycled water flow to Santa Margarita Water District (SMWD) during low-demand periods.

The Project site is located in the City of Lake Forest and in the County of Orange. Regional access to the Project site is provided by State Route 241 (SR 241), located north of the proposed Project, and by Interstate 5 (I-5), located southwest of the proposed Project. The proposed pump station would be located on a 0.413-acre site between 20381 Lake Forest Drive and 20411 Lake Forest Drive at the former Lake Forest Well No. 5 site. Adjacent land uses include commercial use to the west, business park use to the east, regional park/open space to the north, and transportation corridor use to the south. In addition to the construction of the new Zone B to C Recycled Water Pump Station, the Project would decommission the existing Zone B to C Pump Station, which is located adjacent to the existing IRWD Zone B East Reservoir. The proposed Project would also develop a new intertie between the Upper Oso Reservoir and the Lake Forest Zone C distribution system. The intertie meter would be located along Portola Parkway, between El Toro Road and Saddleback Parkway. Construction of the proposed intertie would occur within the third and fourth southbound lanes of travel along Portola Parkway. SR 241 is owned and operated by Caltrans. Caltrans is a responsible agency and has the following comments:



**Transportation Planning**

1. This project contains three site locations (Pump Station Project Location, Existing Pump Station (to be removed), and Intertie Location). For Table 4.17 A, please consider including locations for Vehicle Trip Generation and Passenger Car Equivalence Trip Generation.
2. The proposed project would require temporary lane and sidewalk closures, Caltrans recommends maximizing the safety for all road users including drivers, bicycles and pedestrians during the closures. Please refer to Caltrans Plans Preparation Manual, Chapter 2, Section 2.16 for instructions and recommendations. <https://dot.ca.gov/-/media/dot-media/programs/design/documents/cadd/ppm-text-ch2-sect2-16-ally.pdf>



Irvine Ranch Water District  
March 18, 2021  
Page 3

**Permits:**

- 3. 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/>

6

Please continue to coordinate with Caltrans for any future developments that could potentially impact State transportation facilities. If you have any questions, please do not hesitate to contact Julie Lugaro at [Julie.lugaro@dot.ca.gov](mailto:Julie.lugaro@dot.ca.gov).

7

Sincerely,



Scott Shelley  
Branch Chief, Regional-IGR-Transit Planning  
District 12

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**REGIONAL AGENCY:** Caltrans District 12

**LETTER CODE:** S-1

**COMMENTER:** Scott Shelley, Branch Chief, Regional IGR Transit Planning

**DATE:** March 16, 2021

### **RESPONSE S-1-1**

The comment provides introductory statements. This comment does not contain any substantive comments or questions about the Draft IS/MND or the analysis therein. No further response is necessary.

### **RESPONSE S-1-2**

This comment provides a brief summary of the proposed Project. This comment does not contain any substantive comments or questions about the Draft IS/MND or the analysis therein. No further response is necessary.

### **RESPONSE S-1-3**

This comment states that Caltrans is a Responsible Agency.

No Project construction activities would be conducted nearby or within State right-of-way. Further, the intertie location is more than 2,400 feet (ft) from State Route 241 (SR-241), which is outside Caltrans's right-of-way. Therefore, because no Project construction activities would be conducted nearby or within State right-of-way and no discretionary permits or approvals from Caltrans are required for the proposed Project, Caltrans would not be a Responsible Agency as defined by *State CEQA Guidelines* Section 15381. No further response is necessary.

### **RESPONSE S-1-4**

This comment states that the proposed Project includes three site locations: the location for the proposed pump station, the location for the existing pump station (to be removed), and the location for the proposed intertie. The comment suggests revising Table 4.17.A to include locations for Vehicle Trip Generation and Passenger Car Equivalence Trip Generation.

Table 4.17.A has been revised to specify the locations for the construction phases. Per the revised Table 4.17.A, construction phases 1 through 5 would occur at the proposed pump station, and construction phase 6 would occur at both the location for the existing pump station (to be removed) and the location for the proposed intertie.

This change does not constitute a significant change to the information contained in the Draft IS/MND. This change merely clarifies information contained in the Draft IS/MND.

### **RESPONSE S-1-5**

This comment states that the proposed Project would require temporary lane and sidewalk closures, and recommends maximizing the safety of all road users during closures. The comment also refers

the reader to Caltrans Plans Preparation Manual, Chapter 2, Section 2.16 for lane and sidewalk closure safety instructions and recommendations.

As described in Response 4.9(f) of the IS/MND, temporary lane and sidewalk closures would occur on Portola Parkway for construction of the proposed intertie. Portola Parkway is within the City of Lake Forest's right-of-way; therefore, Caltrans requirements for lane and sidewalk closures are not applicable to the proposed Project. However, as also specified in Response 4.9(f) of the IS/MND, the proposed Project would be implemented consistent with the recommendations of the current California Temporary Traffic Control Handbook (CATTCH) (previously known as the California Joint Utility Traffic Control Manual). The CATTCH provides basic standards for the safe movement of all road users (including emergency responders) through construction zones in accordance with Section 21400 of the California Vehicle Code and the California Manual on Uniform Traffic Control Devices. Mitigation Measure TRA-1 also requires that a Construction Traffic Management Plan (CTMP) is prepared based on the recommendations of the CATTCH. Consistency with the recommendations of the CATTCH would therefore maximize the safety of all road users during temporary lane and sidewalk closures on Portola Parkway.

#### **RESPONSE S-1-6**

This comment requests coordination with Caltrans to meet the requirements for work within or near State right-of-way.

No Project construction activities would be conducted nearby or within State right-of-way. As stated in the Draft IS/MND, temporary lane and sidewalk closures would occur within City of Lake Forest right-of-way on Portola Parkway for construction of the proposed intertie. In addition, the intertie location is more than 2,400 ft from SR-241, which is outside Caltrans's right-of-way. Therefore, an encroachment permit is not required to be obtained from Caltrans for the proposed Project. Instead, an encroachment permit would be obtained from the City of Lake Forest for temporary lane and sidewalk closures on Portola Parkway. This comment does not contain any substantive comments or questions about the Draft IS/MND or the analysis therein. No further response is necessary.

#### **RESPONSE S-1-7**

The comment provides conclusory statements. This comment does not contain any substantive comments or questions about the Draft IS/MND or the analysis therein. No further response is necessary.

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## SECTION 3

### FINAL INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

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**INITIAL STUDY/  
MITIGATED NEGATIVE DECLARATION**

**LAKE FOREST ZONE B TO C PUMP STATION PROJECT**



**Irvine Ranch**  
WATER DISTRICT

**LSA**

February 2021

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**INITIAL STUDY/  
MITIGATED NEGATIVE DECLARATION**

**LAKE FOREST ZONE B TO C PUMP STATION PROJECT**



Lead Agency:

Irvine Ranch Water District  
15600 Sand Canyon Avenue  
Irvine, California 92618  
(949) 453-5300  
[www.irwd.com](http://www.irwd.com)

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**LSA**

February 2021

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## LIST OF ABBREVIATIONS AND ACRONYMS

AAQS	ambient air quality standards
AB	Assembly Bill
ac	acre/acres
ADT	average daily trips
AQMP	Air Quality Management Plan
BACM	Best Available Control Measure
Basin	South Coast Air Basin
bgs	below ground surface
BMPs	best management practices
CalARP	California Accidental Release Prevention
CalEEMod	California Emissions Estimator Model
CALGreen	California Green Building Standards Code
California Register	California Register of Historical Resources
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CATTCH	California Temporary Traffic Control Handbook
CBC	California Building Code
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CERS	California Environmental Reporting System
CH <sub>4</sub>	methane
CHRIS	California Historical Resources Information System
City	City of Lake Forest
CMU	concrete masonry unit
CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide

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CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
County	County of Orange
CTMP	Construction Traffic Management Plan
CUPA	Certified Unified Program Agency
Cy	cubic yards
dB	decibels
dBA	A-weighted decibels
Draft Guidance Document	Draft Guidance Document -- Interim CEQA Greenhouse Gas Significance Thresholds
EDR	Environmental Data Resources, Inc.
EFZ	Earthquake Fault Zone
EIR	Environmental Impact Report
EO	Executive Order
EPA	United States Environmental Protection Agency
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FID	Facility Inventory Database
FIRM	Flood Insurance Rate Map
FMMP	Farmland Mapping and Monitoring Program
ft	foot/feet
FTA	Federal Transit Administration
FTA Manual	FTA Transit Noise and Vibration Impact Assessment Manual
GHGs	greenhouse gases
gpm	gallons per minute
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
GWh	gigawatt-hours
GWP	global warming potential
HFCs	hydrofluorocarbons
HIST CORTESE	Hazardous Waste and Substance Sites List

---

HMBP	Hazardous Materials Business Plan
I-5	Interstate 5
in/sec	inches per second
IPaC	Information for Planning and Consultation
IRWD	Irvine Ranch Water District
IS/MND	Initial Study/Mitigated Negative Declaration
ISHB	Invasive Shot Hole Borer
kW	kilowatts
kWh	kilowatt-hours
L <sub>dn</sub>	day-night average level
LED	light-emitting diode
LID	Low Impact Development
L <sub>eq</sub>	equivalent continuous sound level
LOS	level of service
LQG	Large Quantity Generator
LRA	Local Responsibility Area
LSTs	localized significance thresholds
LUST	Leaking Underground Storage Tank
MBTA	Migratory Bird Treaty Act
MCC	motor control center
mi	mile/miles
MND	Mitigated Negative Declaration
mpg	miles per gallon
MRZ	Mineral Resource Zone
MS4	Municipal Separate Storm Sewer System
MT	metric tons
MWD	Metropolitan Water District of Southern California
N <sub>2</sub> O	nitrous oxide
NCCP/HCP	Natural Communities Conservation Plan/Habitat Conservation Plan
NF <sub>3</sub>	nitrogen trifluoride
NO	nitric oxide



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NO <sub>2</sub>	nitrogen dioxide
NOE	Notice of Exemption
NonGen/NLR	non-generator
NO <sub>x</sub>	nitrogen oxides
O <sub>3</sub>	ozone
OCFA	Orange County Fire Authority
OCTA	Orange County Transportation Authority
OCWD	Orange County Water District
OPR	Office of Planning and Research
Pb	lead
PCBs	polychlorinated biphenyls
PCE	passenger car equivalent
PDR	Preliminary Design Report
PFCs	perfluorocarbons
PLC	programmable logic controller
PM	particulate matter
PM <sub>10</sub>	particulate matter less than 10 microns in size
PM <sub>2.5</sub>	particulate matter less than 2.5 microns in size
PPV	peak particle velocity
PRC	Public Resources Code
psi	pounds per square inch
RCRA	Resource Conservation and Recovery Act
RMS	root-mean-square
RTU	remote terminal unit
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coastal Information Center
SCE	Southern California Edison
SCS	Sustainable Communities Strategy

sf	square foot/feet
SF <sub>6</sub>	sulfur hexafluoride
SGMA	Sustainable Groundwater Management Act
SMARA	Surface Mining and Reclamation Act
SMWD	Santa Margarita Water District
SO <sub>2</sub>	sulfur dioxide
SQG	Small Quantity Generator
SR-241	State Route 241
SR-74	State Route 74
SRA	Source Receptor Area
SUV	sport utility vehicle
SWEEPS	Statewide Environmental Evaluation and Planning System
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TACs	toxic air contaminants
USDOT	United States Department of Transportation
UST	underground storage tank
VdB	vibration velocity decibels
VHFHSZ	Very High Fire Hazard Severity Zone
VMT	vehicle miles traveled
VOCs	volatile organic compounds

## 1.0 PROJECT INFORMATION

### 1.1 PURPOSE OF THIS INITIAL STUDY

The purpose of this Initial Study/Mitigated Negative Declaration (IS/MND) is to: (1) describe the proposed Lake Forest Zone B to C Pump Station Project (proposed Project), which would occur in the City of Lake Forest; and (2) provide an evaluation of potential environmental effects associated with the Project's construction and operation.

This IS/MND has been prepared pursuant to the California Environmental Quality Act (CEQA), as amended (Public Resources Code [PRC] §21000 et seq.) and in accordance with the *State CEQA Guidelines* (California Code of Regulations [CCR] §15000 et seq.). Consistent with *State CEQA Guidelines* Section 15071, this IS/MND includes a description of the proposed Project, an evaluation of the potential environmental impacts associated with implementation of the proposed Project, and findings from the environmental analysis.

Pursuant to Section 15367 of the *State CEQA Guidelines*, Irvine Ranch Water District (IRWD) is the Lead Agency for the Project. The Lead Agency is the public agency that has the principal responsibility for carrying out or approving a project that may have a significant effect on the environment. IRWD, as the Lead Agency, has the authority for Project approval and adoption or certification of the accompanying environmental documentation.

### 1.2 SUMMARY OF FINDINGS

Based on the environmental checklist form prepared for the Project (Chapter 4.0), the proposed Project would have no impact or less than significant impacts in the following environmental areas: Aesthetics, Agriculture and Forest Resources, Air Quality, Energy, Greenhouse Gas Emissions, Hydrology and Water Quality, Land Use and Planning, Mineral Resources, Population and Housing, Public Services, Recreation, and Utilities and Service Systems. The proposed Project has the potential to have significant impacts on Biological Resources, Cultural Resources, Geology and Soils, Hazards and Hazardous Materials, Noise, Transportation, Tribal Cultural Resources, Wildfire, and Mandatory Findings of Significance unless the recommended mitigation measures described herein are incorporated into the Project.

According to the *State CEQA Guidelines*, it is appropriate to prepare a Mitigated Negative Declaration (MND) for the proposed Project because, after incorporation of the recommended mitigation measures, potentially significant environmental impacts would be eliminated or reduced to a level considered less than significant.

### 1.3 ORGANIZATION OF THIS INITIAL STUDY

This IS/MND is organized into chapters, as described below.

- **Chapter 1.0: Project Information.** This section provides an introduction and overview of the conclusions in this IS/MND.

- **Chapter 2.0: Project Description.** This chapter provides a brief description of the Project location, relevant background information, and a description of the existing conditions of the Project site and vicinity. This section also provides a description of the proposed Project and necessary discretionary approvals.
- **Chapter 3.0: Environmental Factors Potentially Affected.** This chapter provides a list of the environmental factors that would be potentially affected by this Project and a determination by IRWD as to the appropriate environmental document.
- **Chapter 4.0: Environmental Checklist and Evaluation of Environmental Impacts.** This chapter contains an analysis of environmental impacts identified in the environmental checklist and identifies mitigation measures that have been recommended to eliminate any potentially significant effects or to reduce them to a level considered less than significant.
- **Chapter 5.0: Mitigation Monitoring and Reporting Program.** Consistent with the requirements of PRC Section 21081.6, a mitigation monitoring and reporting program has been prepared for the proposed Project. The program describes the requirements and procedures to be followed by IRWD to ensure that all mitigation measures adopted as part of the proposed Project would be carried out as described in this IS/MND.
- **Chapter 6.0: List of Preparers.** This chapter identifies the personnel who were responsible for preparing the environmental document and technical studies.
- **Chapter 7.0: References.** This chapter identifies the references used to prepare this IS/MND.

## 1.4 CONTACT PERSON

Any questions or comments regarding the preparation of this IS/MND, its assumptions, or its conclusions should be referred to:

Irvine Ranch Water District  
Water Resources & Environmental Compliance Department  
Attn: Jo Ann Corey, MPA  
15600 Sand Canyon Avenue  
Irvine, CA 92618  
Tel: (949) 453-5300  
corey@irwd.com

## 2.0 PROJECT DESCRIPTION

### 2.1 PROJECT OVERVIEW

Irvine Ranch Water District (IRWD) proposes to construct a new pump station (proposed Project) located between 20381 Lake Forest Drive and 20411 Lake Forest Drive at the former Lake Forest Well No. 5 site in Lake Forest.

The purpose of the proposed Project is to improve the water quality within IRWD's Zone B to C recycled water system by constructing a new recycled water pump station. In addition to the construction of the new Zone B to C Recycled Water Pump Station, the Project would decommission the existing Zone B to C Pump Station, which is located adjacent to the existing IRWD Zone B East Reservoir. The proposed Project would also develop a new intertie between the Upper Oso Reservoir and the Lake Forest Zone C distribution system. The proposed intertie would provide the ability to isolate Upper Oso Reservoir from IRWD's recycled water distribution system.

### 2.2 PROJECT SITE LOCATION

The proposed Project site is located in Lake Forest in Orange County. As shown on Figure 2.1, Project Location, regional access to the proposed pump station, existing pump station (to be removed), and the proposed intertie is provided by State Route 241 (SR-241), located north of the proposed Project, and by Interstate 5 (I-5), located southwest of the proposed Project.

The proposed pump station building would be approximately 1,791 square feet (sf) and located on a 0.413-acre (ac) (17,990.28 sf) site (Assessor's Parcel No. 612-031-04) on Lake Forest Drive in Lake Forest, California. The Project site is bounded by 20411 Lake Forest Drive to the west, 20381 Lake Forest Drive to the east, Serrano Creek Trail to the north, and Lake Forest Drive to the south. Adjacent land uses include commercial use to the west, business park use to the east, regional park/open space to the north, and transportation corridor use to the south. As shown on Figure 2.2, Proposed Zone B to C Pump Station Site Plan, the new pump station would be located on a site previously occupied by IRWD Lake Forest Well No. 5.

### 2.3 PROJECT HISTORY AND EXISTING SITE CONDITIONS

#### 2.3.1 Lake Forest Well No. 5

In 2001, IRWD acquired the Los Alisos Water District and its facilities, which included Lake Forest Well No. 5. IRWD utilized water from Lake Forest Well No. 5 to supplement its recycled water system. However, due to poor water production and high salinity, IRWD ceased the operation of Lake Forest Well No. 5. To make space for the new proposed Zone B to C recycled water pump station, Lake Forest Well No. 5 has been decommissioned. The decommissioning of Lake Forest Well No. 5 was exempt from the California Environmental Quality Act (CEQA), and a Notice of Exemption (NOE) pursuant to *State CEQA Guidelines* Section 15062 was filed on February 28, 2020. Therefore, decommissioning of Lake Forest Well No. 5 and removal of the equipment associated with the well are not addressed in this IS/MND. Although construction and operation of a new well is not a currently planned project, space is being allocated on the Project site to accommodate a potential new well, as shown on Figure 2.2.

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FIGURE 2.1

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LEGEND

 Project Location



0 300 600  
FEET

SOURCE: Google Maps (2019)

I:\IRW2001.01\GIS\MXD\ProjectLocation\_Aerial.mxd (12/21/2020)

Lake Forest Zone B to C Pump Station Project  
Project Location

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- GENERAL NOTES:**
1. WORK SHALL COMPLY WITH THE FOLLOWING: THESE GENERAL NOTES (UNLESS OTHERWISE NOTED ON PLANS OR SPECIFICATIONS), UNIFORM BUILDING CODE, LATEST EDITION.  
ALL APPLICABLE LOCAL AND STATE CODES, ORDINANCES AND REGULATIONS.  
ON SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE SUB. NOTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.
  2. APPROVAL BY THE INSPECTOR DOES NOT MEAN APPROVAL OF FAILURE TO COMPLY WITH THE PLANS AND SPECIFICATIONS.
  3. ANY DESIGN WHICH FAILS TO BE CLEAR OR IS AMBIGUOUS MUST BE REFERRED TO THE DESIGNER OR THE ENGINEER FOR INTERPRETATION OR CLARIFICATION.
  4. TEMPORARY TOILET SHALL BE INSTALLED BEFORE JOB IS STARTED AS REQUIRED BY CODE.

5. CONSTRUCT BARRICADES, ETC., WHEN REQUIRED
6. CONTRACTOR SHALL CONSULT ALL REPRESENTATIVES OF CITY, GAS, LIGHT, WATER, POWER, AND PHONE COMPANIES, CONCERNING AVAILABLE FACILITIES BEFORE STARTING WORK OR CONNECTING FACILITIES.
7. ALL WORK SHALL CONFORM TO LOCAL CODES, STATE AND FEDERAL LAWS. CONTRACTOR SHALL VERIFY ALL WORK AND DIMENSIONS ON DRAWING AND REPORT ANY DISCREPANCIES TO THE DESIGNER OR ENGINEER BEFORE COMMENCING WORK.
8. SUBCONTRACTOR SHALL AT ALL TIMES KEEP WORKMAN'S COMPENSATION INSURANCE IN FULL FORCE AND EFFECT.
9. THE SUBCONTRACTOR SHALL ALSO KEEP A COMPLETE RECORD OF SOCIAL SECURITY TAX PAYMENTS MADE, AND SUBMIT TO THE CONTRACTOR FULL EVIDENCE THAT SUCH PAYMENTS HAVE BEEN MADE AS REQUIRED.
10. THE IMPROVEMENTS SHALL BE INSURED AGAINST LOSS BY FIRE DURING THE PROGRESS OF THE WORK BY THE

- OWNER ALL MATERIALS SHALL BE OF THE BEST OF THEIR RESPECTIVE KINDS.
11. ALL LABOR AND INSTALLATION SHALL BE PERFORMED IN THE BEST POSSIBLE MANNER BY SKILLED WORKERS.
  12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF THE WORK. EACH SUBCONTRACTOR IS RESPONSIBLE FOR HIS OWN WORK UNTIL SAME HAS BEEN COMPLETED AND ACCEPTED AND ALSO FOR HIS OWN MATERIALS.
  13. SUBCONTRACTORS SHALL KEEP THE PREMISES CLEAN OF RUBBISH CAUSED BY THEIR WORK.

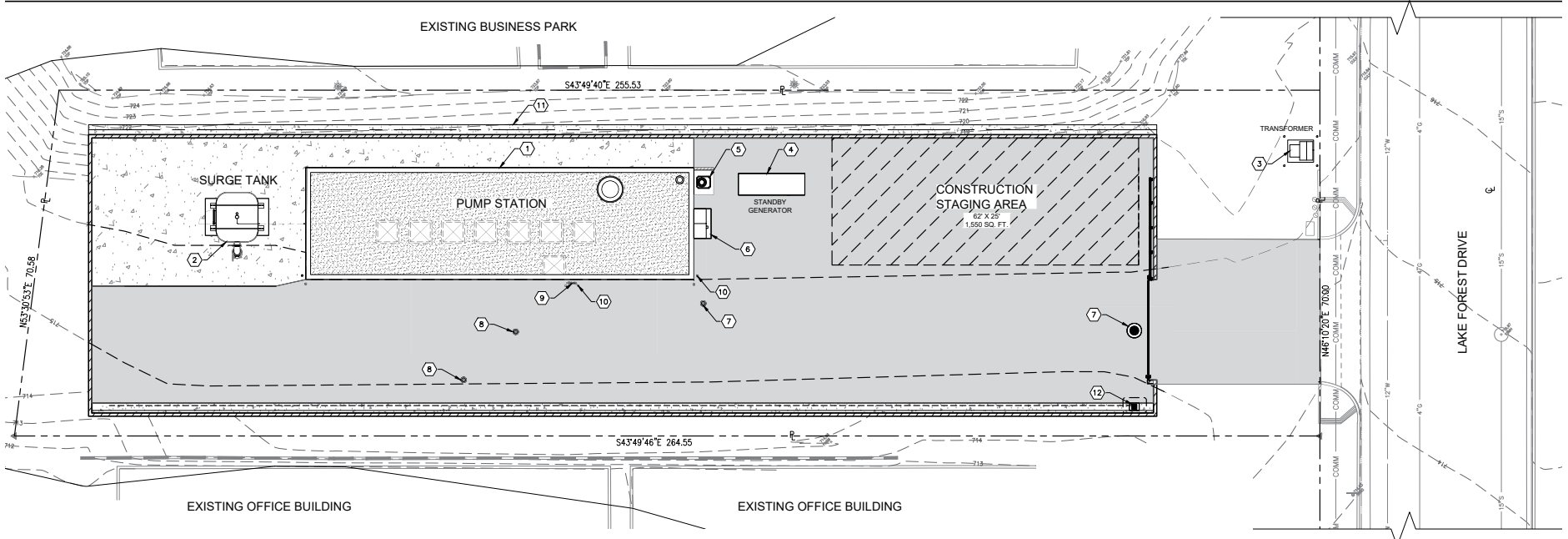
**SITE DATA:**

**BASIS OF BEARINGS**  
THE BEARINGS SHOWN HEREON ARE BASED ON THE GRID BEARING N 71-36-55 W BETWEEN CONTINUOUS OPERATING REFERENCE STATIONS OEOC AND MUPK. BASED ON DATA OBTAINED THROUGH THE CALIFORNIA SPATIAL REFERENCE CENTER.

**DATUM STATEMENT**  
COORDINATES ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83) ZONE VI, NAD 83 (2017.50 EPOCH ADJUSTMENT), AS PER RECORDS PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER.

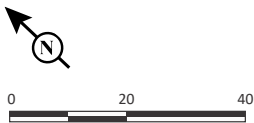
**BENCHMARK**  
OCPW BM 3JJ-20-90  
ELEVATION = 731.858 NAVD88 2004 ADJUSTMENT  
DESCRIBED BY OCS 2002 - FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "3JJ-20-90", SET IN THE NORTHEAST CORNER OF AN 11 FT. BY 4 FT. CONCRETE CATCH BASIN. MONUMENT IS LOCATED IN THE NORTHEAST CORNER OF THE INTERSECTION OF LAKE FOREST DRIVE AND VISTA TERRACE, 47 FT. EASTERLY OF THE CENTERLINE OF LAKE FOREST DRIVE AND 50 FT. NORTHERLY OF THE CENTERLINE OF VISTA TERRACE. MONUMENT IS SET LEVEL WITH THE SIDEWALK.

- SITE KEY NOTES**
- |   |  |
|---|--|
| ① PUMP STATION BUILDING   | ⑪ CONCRETE BROW DITCH SEE DETAIL 5, DWG C-05 |
| ② SURGE TANK  | ⑫ CONCRETE CATCH BASIN SEE DETAIL 6, DWG C-5 |
| ③ TRANSFORMER   |  |
| ④ STANDBY GENERATOR   |  |
| ⑤ SWITCHGEAR/AUTOMATIC TRANSFER SWITCH, SEE ELECTRICAL DRAWINGS |  |
| ⑥ AIR CONDITIONER CONDENSER, SEE HVAC DRAWINGS                  |  |
| ⑦ SEWER MANHOLE PER IRWD STD DWG S-1                            |  |
| ⑧ VALVE BOX AND ACTUATOR PER IRWD STD DWG W-22                  |  |
| ⑨ 2" BACKFLOW PREVENTER ASSEMBLY PER IRWD STD DWG W-7           |  |
| ⑩ PROTECTION POST SEE DETAIL 3, DRAWING C-05                    |  |



LSA

FIGURE 2.2



SOURCE: Stantec

Lake Forest Zone B to C Pump Station Project  
Proposed Zone B to C Pump Station Site Plan

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### **2.3.2 Existing Lake Forest Zone B to C Pump Station**

The existing Lake Forest Zone B to C Pump Station was originally designed in 1998 and subsequently constructed adjacent to the existing IRWD Zone B East Reservoir, located between Vista Terrace and Regency Lane in Lake Forest. The existing pump station consists of two horizontal split-case pumps, suction piping, a discharge header, a pressure relief valve, miscellaneous valves, fittings, the motor control center, and a remote terminal unit cabinet. The existing pump station is an open-air, 30-foot (ft) by 19 ft concrete area surrounded by a retaining wall on three sides and enclosed by a fence in the front. The existing pump station has exceeded its useful service life and is not a standard fully enclosed IRWD pump station. The proposed Project would replace the existing pump station, as described in Section 2.4, Proposed Facilities. The existing pump station's remote terminal unit (RTU) cabinet contains equipment, signals, and logic that are critical to the operation of the Zone B East Reservoir. Additionally, the Zone B East Reservoir's Mini-Power Center is fed from the existing pump station's motor control center (MCC). This electrical and instrumentation equipment requires modification and relocation during the demolition of the existing Lake Forest Zone B to C Pump Station to keep the Zone B East Reservoir operational.

## **2.4 PROPOSED FACILITIES**

### **2.4.1 New Lake Forest Zone B to C Pump Station**

The proposed Lake Forest Zone B to C Pump Station would be located on the site where Lake Forest Well No. 5 was previously located and would be designed to supply IRWD Zone B recycled water to IRWD's Zone C system as a closed-loop system. The proposed pump station would have a maximum capacity of 2,250 gallons per minute (gpm) at 124 ft of total dynamic head. The proposed pump station would include variable speed pumps with a pumping range from essentially 0 gpm to the full flow of 2,250 gpm, a magnetic flow meter, a pressure relief valve, an MCC, variable frequency drives, instrumentation and controls, a standby emergency generator, and related equipment. The proposed pumping facilities would be operated on a minimum pressure requirement of 120 pounds per square inch (psi) at the pump station discharge and would engage parallel pumps in series to meet system flow demands.

### **2.4.2 Demolition of Existing Lake Forest Zone B to C Pump Station**

The demolition of the existing Lake Forest Zone B to C Pump Station would occur after the construction of the proposed new pump station. The items to be demolished include the majority of the exposed piping, valves, fittings, gauges, sensors, pumps, and pipe stands. The pump bases and any other raised concrete surfaces would be left in place. The Zone B suction piping from the existing Zone B East Reservoir would be cut back and equipped with a flush-out. The Zone C discharge piping would be cut back and equipped with a blind flange and air and vacuum relief valve. The MCC and RTU cabinets would be protected in place until the relocation of the equipment critical to the Zone B East Reservoir has been completed. The existing retaining wall and fence would be protected in place.

### **2.4.3 Santa Margarita Water District Intertie**

Currently, IRWD's Zone C recycled water system is floated on the Santa Margarita Water District's (SMWD) Upper Oso Reservoir to maintain operational pressure. After the construction of the

proposed new pump station, Zone C would typically be isolated from the Upper Oso Reservoir and operate as a closed-loop system. IRWD would maintain an operational connection with the Upper Oso Reservoir and construct a new proposed meter located along Portola Parkway, between El Toro Road and Saddleback Parkway. Construction of the proposed intertie would occur within the third and fourth southbound lanes of travel along Portola Parkway. The proposed intertie would be closed during normal operations but is available to augment recycled water supplies into the IRWD Lake Forest Zone C system during maintenance operations of the IRWD system or a request from SMWD for IRWD to provide recycled water flows into the Upper Oso Reservoir. The proposed intertie would also be used by IRWD to deliver excess recycled water flow to SMWD during low-demand periods.

## 2.5 UTILITIES

### 2.5.1 Electrical, Instrumentation, and Controls

The existing Zone B to C Pump Station is fed by a 480-volt, Southern California Edison (SCE) padmount transformer at the Zone B East Reservoir. The existing pump station metering switchboard is also located at the Zone B East Reservoir. To maintain power to the Zone B East Reservoir, prior to demolition of the existing pump station, a fused switch would be added to the side of the existing 480-volt metering switchboard. The fused switch would repower the reservoir site panel board (mini-power center). In addition, the reservoir signals are wired to the pump station programmable logic controller (PLC) enclosure (the RTU). The pump station RTU would be relocated to the Zone B East Reservoir, and the reservoir signals would be routed to the new RTU location. A new radio antenna would be added adjacent to the relocated RTU. The design of the pump station and intertie facilities would be coordinated with SCE.

### 2.5.2 Yard Piping

To avoid construction conflicts and provide the necessary separation between the recycled water, sanitary sewer, and future potable water pipelines from a new groundwater well, both the suction and discharge piping for the proposed new pump station would be constructed along the southern perimeter of the site. Pipelines, under construction within the public right-of-way (under a separate contract), would connect to the new suction and discharge pipelines within the site. The new pump station's recycled water suction and discharge pipelines would be approximately 12- to 16-inch-diameter steel with a pressure rating of 150 psi. Aboveground suction and discharge piping within the new pump station shall be stainless steel and cement mortar lined and painted and below ground suction, and discharge piping would be cement mortar lined and coated.

The existing 6-inch-diameter domestic water pipeline would be redirected around the dedicated space for the possible future well and reduced to a 3-inch service to provide domestic water for various uses within the new pump station.

A new proposed 10-inch-diameter sanitary sewer line would be installed from the west side of the property and connected to a 10-inch-diameter sewer line (being constructed under a separate contract). Two lateral connections would also be provided for the new pump station drains and surge tank sump pump with a clean-out at the pipe termination. All pipelines currently under construction within the public right-of-way under a separate contract are exempt from CEQA, and

an NOE pursuant to *State CEQA Guidelines* Section 15602 was filed on December 11, 2019. Therefore, installation of the pipeline is not addressed in this IS/MND.

## 2.6 OPERATION

Generally, operation of the proposed Project would be conducted remotely, and there would not be any full-time dedicated staff at the new pump station site. However, it is likely that staff would visit the site for routine maintenance or in the event of an emergency. It is anticipated that any visit by staff would last for no more than approximately 2 hours, depending on the maintenance. In the event of larger maintenance activities or emergencies, the need for additional staff after normal business hours may be required.

## 2.7 SITE SECURITY AND ACCESS

### 2.7.1 Site Exterior (Security) Lighting

Exterior pole-mounted or building-mounted fixtures with light skirts would be installed on the new pump station. The site lighting fixtures would be a cutoff design to keep illumination within the property and prevent light from spilling over onto the neighboring properties or interfering with drivers on Lake Forest Drive.

### 2.7.2 Site Access

Site access would not be changed as part of the proposed Project. In the existing condition, access to the new pump station is provided via Lake Forest Drive. Site access for the existing pump station is controlled by a gate located on the access road near its intersection with Regency Lane, and site access for the SMWD intertie is provided via Portola Parkway.

## 2.8 PROJECT IMPLEMENTATION

Pending weather conditions, Project construction is anticipated to take approximately 12 months, beginning in May 2021, and would include the following construction phases:

- **Phase 1: Earthwork** (8 workers for 4 weeks)
- **Phase 2: Steel Pipe and Yard Piping** (8 workers for 3 weeks)
- **Phase 3: Concrete** (12 workers for 7 weeks)
- **Phase 4: Installation of Concrete Masonry Units (CMU)** (8 workers for 8 weeks)
- **Phase 5: Installation of Steel Girders and Construction CMU Pump Station Building** (8 workers for 20 weeks)
- **Phase 6: Intertie Construction and Demolition of the Existing Pump Station** (4 to 6 workers for 6 weeks)

The construction trips that would be generated on a daily basis throughout each phase of construction would be based on the number of construction workers and delivery of construction materials. The overlap of Phase 5 (Installation of Steel Girders and Construction CMU Pump Station

Building) and Phase 6 (Intertie Construction and Demolition of the Existing Pump Station) would have the highest construction trip generation.

## 2.9 DISCRETIONARY ACTIONS

This initial Study/Mitigated Negative Declaration (IS/MND) is intended to serve as the primary CEQA environmental document for all actions associated with the proposed Project, including all discretionary approval requested or required of IRWD to implement the proposed Project. In addition, this is the primary reference document for the formulation and implementation of a Mitigation Monitoring and Reporting Program for the proposed Project (Chapter 5.0 of this IS/MND).

### 2.9.1 Probable Future Actions by Responsible Agencies

The proposed Project may require approvals, permits, or authorization from other agencies, classified as “Responsible Agencies” under CEQA. According to Section 15381 of the *State CEQA Guidelines*, a Responsible Agency is defined as a public agency other than the Lead Agency that would have discretionary approval power over the proposed Project or some component of the Project, including mitigation. These agencies include, but are not limited to, the agencies identified in Table 2.A. It should be noted that while a water district is exempt from compliance with building ordinances of the county or city in which it is located, the proposed Project would be designed to meet the appropriate city codes and standards, as well as the current California Building Code (CBC).

**Table 2.A: Probable Future Actions by Responsible Agencies**

Agency	Action
<b>Local</b>	
City of Lake Forest	<ul style="list-style-type: none"> <li>• Encroachment Permit</li> <li>• Plan approval for facilities being constructed in the City’s right-of-way on Portola Parkway for the proposed intertie</li> </ul>

### 2.9.2 Other Ministerial Actions

If necessary, ministerial permits/approvals may be issued by the City or Lake Forest or another appropriate agency to allow site preparations, curb cuts (if necessary), connections to the utility infrastructure, and other Project features subject to ministerial permits.



### 3.0 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this Project, involving at least one impact that is "Less than Significant with Mitigation Incorporated" as indicated by the checklists on the following pages.

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Aesthetics                      | <input type="checkbox"/> Agriculture and Forestry Resources | <input type="checkbox"/> Air Quality                                   |
| <input checked="" type="checkbox"/> Biological Resources | <input checked="" type="checkbox"/> Cultural Resources      | <input type="checkbox"/> Energy  |
| <input checked="" type="checkbox"/> Geology & Soils      | <input type="checkbox"/> Greenhouse Gas Emissions           | <input checked="" type="checkbox"/> Hazards & Hazardous Materials      |
| <input type="checkbox"/> Hydrology/Water Quality         | <input type="checkbox"/> Land Use & Planning                | <input type="checkbox"/> Mineral Resources                             |
| <input checked="" type="checkbox"/> Noise                | <input type="checkbox"/> Population & Housing               | <input type="checkbox"/> Public Services                               |
| <input type="checkbox"/> Recreation                      | <input checked="" type="checkbox"/> Transportation          | <input checked="" type="checkbox"/> Tribal Cultural Resources          |
| <input type="checkbox"/> Utilities/Service Systems       | <input checked="" type="checkbox"/> Wildfire                | <input checked="" type="checkbox"/> Mandatory Findings of Significance |

**DETERMINATION. On the basis of this initial evaluation:**

1. I find that the Project **could not** have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.
2. I find that although the proposed Project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the Project have been made by or agreed to by the Project proponent. A **MITIGATED NEGATIVE DECLARATION** will be prepared.
3. I find the proposed Project **may have a significant effect** on the environment, and an **ENVIRONMENTAL IMPACT REPORT** is required.
4. I find that the proposed Project **may have a "potentially significant impact" or "potentially significant unless mitigated impact"** on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An **ENVIRONMENTAL IMPACT REPORT** is required, but it must analyze only the effects that remain to be addressed.
5. I find that although the proposed Project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or Negative Declaration pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or Negative Declaration, including revisions or mitigation measures that are imposed upon the proposed Project, nothing further is required.



IRWD Representative



Date

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## 4.0 ENVIRONMENTAL CHECKLIST AND EVALUATION OF ENVIRONMENTAL IMPACTS

1. A brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a Lead Agency cites in the parentheses following each question. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to Projects like the one involved (e.g., the Project falls outside a fault rupture zone). A “No Impact” answer should be explained where it is based on Project-specific factors as well as general standards (e.g., the Project will not expose sensitive receptors to pollutants, based on a Project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as Project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the Lead Agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. “Potentially Significant Impact” is appropriate if there is substantial evidence that an effect may be significant. If there are one or more “Potentially Significant Impact” entries when the determination is made, an Environmental Impact Report (EIR) is required.
4. “Negative Declaration: Less Than Significant with Mitigation Incorporated” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less Than Significant Impact”. The Lead Agency must describe the mitigation measures and briefly explain how they reduce the effect to a less than significant level (mitigation measures from earlier analyses may be cross referenced, as discussed below).
5. Earlier analyses may be used where, pursuant to the tiering, Program EIR, or other California Environmental Quality Act (CEQA) process, an effect has been adequately analyzed in an earlier EIR or Negative Declaration (Section 15063 (c)(3)(D)). In this case, a brief discussion should identify the following:
  - a. **Earlier Analysis Used:** Identify and state where they are available for review.
  - b. **Impacts Adequately Addressed:** Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
  - c. **Mitigation Measures:** For effects that are “Less Than Significant with Mitigation Measures Incorporated,” describe the mitigation measures that were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the Project.

6. Lead Agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and Lead Agencies are free to use different formats; however, Lead Agencies should normally address the questions from this checklist that are relevant to a Project's environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
  - a. The significance criteria or threshold, if any, used to evaluate each question; and
  - b. The mitigation measure identified, if any, to reduce the impact to less than significant.

## 4.1 AESTHETICS

<i>Except as provided in Public Resources Code Section 21099, would the project:</i>		<b>Potentially Significant Impact</b>	<b>Less Than Significant With Mitigation Incorporated</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
a)	Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b)	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c)	In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d)	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### 4.1.1 Impact Analysis

a) *Except as provided in Public Resources Code (PRC) Section 21099, would the Project have a substantial adverse effect on a scenic vista?*

California State Government Code Section 65560(b)(3) stipulates that city and county General Plans address "...Open space for outdoor recreation, including but not limited to, areas of outstanding scenic, historical and cultural value; areas particularly suited for park and recreation purposes, including access to lakeshores, beaches, and rivers and streams; and areas that serve as links between major recreation and open-space reservations, including utility easements, banks of rivers and streams, trails, and scenic highway corridors..."

A scenic vista is generally defined as a viewpoint that provides expansive views of a highly valued landscape for the benefit of the general public. There are no designated scenic vistas within Lake Forest; however, according to the City of Lake Forest's (City's) Final Environmental Impact Report (EIR) for the 2040 Lake Forest General Plan,<sup>1</sup> the City identifies Serrano Creek as a significant visual resource.

The existing Project site is vacant and filled with dirt and gravel. The Project site is bounded by 20411 Lake Forest Drive to the west, 20381 Lake Forest Drive to the east, Serrano Creek Trail to the north, and Lake Forest Drive to the south. Respective adjacent land uses include commercial use to the west, business park use to the east, regional park/open space to the north, and transportation corridor use to the south.

<sup>1</sup> City of Lake Forest. 2020. Final Environmental Impact Report for the 2040 Lake Forest General Plan. April.

Project improvements for the proposed pump station would be confined to the 0.413-acre (ac) property owned by Irvine Ranch Water District (IRWD), and would not extend into the Serrano Creek Trail. Because Lake Forest Well No. 5 was previously decommissioned and removed from the Project site under a separate Notice of Exemption (NOE), no buildings or structures are currently located on the Project site. The proposed pump station building would be approximately 19 feet (ft) 10 inches at its highest point, which is well below the maximum allowable height of 35 ft within the General Business (C2) District. A retaining wall will be constructed around the perimeter of the Project site that will be a maximum of 6 ft in height.

Due to the relatively low heights of the proposed building and retaining wall, the proposed Project would not substantially reduce views to the north from Lake Forest Drive. In addition, it would not substantially reduce or impair views of the Serrano Creek Trail to the north because a group of trees bordering the northern perimeter of the Project site blocks views of the Serrano Creek Trail in the existing condition. Similarly, the proposed Project would not substantially reduce or impair views of mountains to the northeast that are not already being impaired by the surrounding commercial development, and views of the mountains would remain visible from Lake Forest Drive.

Project improvements for the removal for the existing pump station located between Vista Terrace and Regency Lane would not substantially reduce or impair views of surrounding mountains. While the existing fencing around the pump station would remain after demolition, no new structures or buildings would be constructed. Project improvements for the proposed intertie located along Portola Parkway between El Toro Road and Saddleback Parkway would occur underground and therefore would not reduce or impair views. Above-grade utility cabinets for remote radio communication and control and for SCE metering will be located behind and adjacent to the sidewalk on Portola Parkway within a parkway area, and will be typical of other utility cabinets along the street. In addition, small air-exchange vents will be located within the same area, adjacent to the utility cabinets, which are typical for ventilating underground vaults.

No other potentially scenic resources are located within the vicinity of the locations for the removal of the existing pump station or proposed intertie. Therefore, because there are no designated scenic vistas within Lake Forest and because the proposed Project would not substantially impair views of Serrano Creek or mountains to the northeast, the proposed Project would have a less than significant impact to scenic vistas, and no mitigation would be required.

**Significance Determination:** Less Than Significant Impact.

**Mitigation Measures:** No mitigation is required.

*b) Except as provided in PRC Section 21099, would the Project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State Scenic Highway?*

The California Department of Transportation (Caltrans) Landscape Architecture Program administers the Scenic Highway Program contained in the Streets and Highways Code, Sections 260–263. State Highways are classified as either Officially Listed or Eligible. The City of Lake Forest does not contain any State-designated scenic highways within its jurisdictional limits, as designated by Caltrans under

the California Scenic Highway Program.<sup>1</sup> The nearest State highway that is eligible for official designation as a State Scenic Highway is State Route 74 (SR-74), which is located approximately 9.5 miles (mi) southeast of the Project site and is not visible from the Project site. Therefore, the proposed Project would have no impact related to scenic resources within a State Scenic Highway corridor. No mitigation is required.

**Significance Determination:** No Impact.

**Mitigation Measures:** No mitigation is required.

*c) Except as provided in PRC Section 21099, would the project, in non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?*

The proposed pump station and location of the proposed intertie are within urbanized areas. Adjacent land uses to the proposed pump station include commercial use to the west, business park use to the east, regional park/open space to the north, and transportation corridor use to the south. Adjacent land uses to the proposed intertie include commercial use to the north and west, regional park/open space to the south, and transportation corridor use to the east. Lake Forest Drive provides access to the proposed pump station, and site access for the proposed intertie is provided via Portola Parkway. The existing pump station (to be removed) is located adjacent to the existing IRWD Zone B East Reservoir and is surrounded by vacant land designated as regional park/open space to the west and east, and community park/open space to the south. Site access for the existing pump station (to be removed) is controlled by a gate located on the existing access road near its intersection with Regency Lane. As discussed below, the proposed Project would not conflict with applicable zoning or General Plan regulations governing scenic quality.

**Construction.** Construction of the proposed pump station and proposed intertie would involve on-site construction activities that would be visible to customers or employees of respective adjacent commercial uses and would be visible to travelers along Lake Forest Drive and Portola Parkway, respectively. Construction activities for the existing pump station (to be removed) would be obstructed by adjacent slopes, vegetation, and trees, and would not substantially degrade the existing visual character or quality of public views as viewed from Regency Lane. Furthermore, construction activities for the proposed Project would be short term. In addition, all construction vehicles for the proposed pump station would be staged on site for the duration of the construction period. Visual impacts during construction would be temporary in nature and would cease upon Project completion. Therefore, construction impacts would be less than significant, and no mitigation is required.

**Operation.** The proposed pump station would be consistent with the visual quality and character of the surrounding area. Since the majority of the improvements for the proposed intertie would be

<sup>1</sup> California Department of Transportation. 2019. California State Scenic Highway System Map. Website: <https://www.arcgis.com/apps/webappviewer/index.html?id=2e921695c43643b1aaf7000dfcc19983> (accessed December 9, 2020).

located underground, and the above-grade utility cabinets and vents are commonly found along streets, the proposed intertie would not degrade public views. Therefore, the proposed Project would not conflict with applicable zoning and other regulations governing scenic quality and there would be no impact. No mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*d) Except as provided in PRC Section 21099, would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?*

The impact of nighttime lighting depends upon the type of use affected, the proximity to the affected use, the intensity of specific lighting, and the background or ambient level of the combined nighttime lighting. Nighttime ambient light levels may vary considerably depending on the age, condition, and abundance of point-of-light sources present in a particular view. The use of exterior lighting for security and aesthetic illumination of architectural features may contribute to ambient nighttime lighting conditions.

Nighttime illumination impacts are evaluated in terms of the Project's net change in ambient lighting conditions and proximity to light-sensitive land uses. The site for the proposed pump station is currently vacant. Existing sources of light on or adjacent to the proposed pump station site include security and exterior lighting from adjacent properties, streetlights, and vehicle headlights. Sensitive uses in the vicinity of the proposed pump station site include the Serrano Creek Trail.

Construction of the proposed Project would be limited to daytime hours, generally from 7:00 a.m. to 8:00 p.m., in accordance with City of Lake Forest policies.<sup>1</sup> Any construction-related illumination during evening and nighttime hours would be shielded to the extent feasible, would consist of the minimum lighting required for safety and security purposes only, and would occur only for the duration required for the temporary construction process. Due to its limited scope and short duration, light resulting from construction activities would not substantially impact sensitive uses, substantially alter the character of off-site areas surrounding the construction area, or interfere with the performance of an off-site activity. Therefore, construction of the proposed Project would not create a new source of substantial light or glare that would adversely affect day or nighttime views in the area, and light impacts associated with construction would be less than significant. No mitigation would be required.

The proposed pump station would include the installation of pole-mounted or building-mounted fixtures with light skirts that would be a cutoff design to keep illumination within the site and prevent light from spilling over onto the neighboring properties or interfering with drivers on Lake Forest Drive. The proposed pump station would also include interior lighting that would consist of surface-mounted light-emitting diode (LED) fixtures. The proposed Project would comply with the City's lighting policies, which generally require that light be directed away from adjoining properties and public rights-of-way and that lighting comply with security lighting regulations.

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<sup>1</sup> City of Lake Forest. 2019. Lake Forest Municipal Code, Section 11.16.060(H).

Exterior building materials and façades would not be constructed with highly reflective materials (e.g., windows or glass with mirror-like tints), thereby eliminating any glare associated with the proposed pump station. Additionally, the proposed Project does not include a formal parking lot where glare from the sunlight's reflection off vehicle windshields could be prevalent. The proposed pump station building would be shielded by the 6 ft wall.

Therefore, lighting provided as part of the proposed Project would be fairly minimal and would be largely consistent with the type and intensity of existing lighting in the Project vicinity. The final lighting for the proposed Project would be subject to review and approval by IRWD as part of the site plan review process to ensure compliance with the City's Municipal Code and to ensure that the lighting is sufficient for safety purposes. As such, the proposed Project would not create a new source of substantial light or glare that would adversely affect day or nighttime views in the area. No mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

**4.2 AGRICULTURE AND FORESTRY RESOURCES**

*In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state’s inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:*

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**4.2.1 Impact Analysis**

*a) Would the Project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?*

The California Natural Resources Agency Farmland Mapping and Monitoring Program (FMMP) produces maps and statistical data used for analyzing impacts on California’s agricultural resources. Agricultural land is rated according to soil quality and irrigation status, with the best quality land being Prime Farmland. The maps are updated every 2 years with the use of a computer mapping system, aerial imagery, public review, and field reconnaissance; however, the most current available Farmlands Map for Orange County is dated 2014–2016.

According to the 2014–2016 FMMP, the proposed Project site (including the locations for the removal of the existing pump station and proposed intertie) is in an area classified as Urban and



Built-Up Land, and is not designated as farmland.<sup>1</sup> Additionally, no agricultural uses exist on the site, and the Project site is generally surrounded by urban development. Because the Project site is not designated as farmland pursuant to the FMMP, the proposed Project would not result in the conversion of farmland to a non-agricultural use. No mitigation is required.

**Significance Determination:** No Impact  
**Mitigation Measures:** No mitigation is required.

*b) Would the Project conflict with existing zoning for agricultural use, or a Williamson Act contract?*

The proposed pump station site is zoned within the General Business (C2) District. The existing pump station (to be removed) is zoned as Open Space, and the proposed intertie is zoned within the Community Commercial (CC) District. Therefore, the proposed Project would not conflict with existing zoning for agricultural use. The Project site is also not under a Williamson Act Contract.<sup>2</sup> Consequently, no impact would occur given that the proposed Project would not conflict with existing zoning for agricultural use and is not under a Williamson Act Contract.

**Significance Determination:** No Impact  
**Mitigation Measures:** No mitigation is required.

*c) Would the Project conflict with existing zoning for, or cause rezoning of, forest land (as defined in PRC section 12220(g)), timberland (as defined by PRC section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?*

The proposed pump station site is zoned within the General Business (C2) District. The existing pump station (to be removed) is zoned as Open Space, and the proposed intertie is zoned within the Community Commercial (CC) District. The Project site is not used for timberland production, is not zoned as forest land or timberland, and does not contain forest land or timberland. Therefore, no impacts to forest land or timberland would occur, and no mitigation is required.

**Significance Determination:** No Impact  
**Mitigation Measures:** No mitigation is required.

*d) Would the Project result in the loss of forest land or conversion of forest land to non-forest use?*

The Project site was previously graded, and the proposed Project would not convert forest land to a non-forest use. Likewise, the Project site would not contribute to environmental changes that could result in conversion of forest to non-forest use. Therefore, no impacts to forest land would occur, and no mitigation is required.

**Significance Determination:** No Impact  
**Mitigation Measures:** No mitigation is required.

<sup>1</sup> California Department of Conservation (DOC). 2018. California Important Farmland Finder. Website: <https://maps.conservation.ca.gov/DLRP/CIFF/> (accessed December 9, 2020).

<sup>2</sup> Natural Resources Agency. 2014. Department of Conservation, Division of Land Resource Protection, California Williamson Act Contract Land Map.

*e) Would the Project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?*

The Project site is not located in the vicinity of any existing agricultural land or forest land or land zoned for an agricultural use. The proposed Project would not contribute to environmental changes that could result in conversion of farmland to non-agricultural use or forest land to a non-forest use. Therefore, no impacts to farmland or forest land would occur, and no mitigation is required.

**Significance Determination:** No Impact

**Mitigation Measures:** No mitigation is required.

### 4.3 AIR QUALITY

Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### 4.3.1 Impact Analysis

The proposed Project site is located in Lake Forest, California, which is part of the South Coast Air Basin (Basin) and is managed by the South Coast Air Quality Management District (SCAQMD), which is the agency principally responsible for comprehensive air pollution control in the Basin. The Basin includes Orange County and the non-desert regions of Los Angeles, Riverside, and San Bernardino Counties.

Both the United States Environmental Protection Agency (EPA) and the California Air Resources Board (CARB) have established health-based ambient air quality standards (AAQS) for common air pollutants: carbon monoxide (CO), ozone (O<sub>3</sub>), nitrogen dioxide (NO<sub>2</sub>), sulfur dioxide (SO<sub>2</sub>), lead (Pb), and suspended particulate matter (PM). These standards are designed to protect the health and welfare of the populace with a regional margin of safety. These AAQS are levels of contaminants that represent safe levels that avoid specific adverse health effects associated with each criteria pollutant. The Basin is in nonattainment for the federal and State standards for O<sub>3</sub> and particulate matter less than 2.5 microns in diameter (PM<sub>2.5</sub>). In addition, the Basin is in nonattainment for the State particulate matter less than 10 microns in diameter (PM<sub>10</sub>) standards and in attainment/maintenance for the federal PM<sub>10</sub>, as well as federal and State attainment for Pb, SO<sub>2</sub>, CO, and NO<sub>2</sub> standards.

To meet these standards, SCAQMD has established project-level thresholds for volatile organic compounds (VOCs), nitrogen oxides (NO<sub>x</sub>), and PM<sub>2.5</sub>.

VOCs are formed from the combustion of fuels and evaporation of organic solvents. VOCs are an O<sub>3</sub> precursor and a prime component of the photochemical reaction that forms O<sub>3</sub>. NO<sub>x</sub> refers to the compounds of NO<sub>2</sub>, a reddish-brown gas, and nitric oxide (NO), a colorless, odorless gas that is formed from fuel combustion under high temperature or pressure. NO<sub>x</sub> is a primary component of the photochemical smog reaction. NO<sub>x</sub> also contributes to other pollution problems, including a high concentration of fine particulate matter, poor visibility, and acid deposition.

The proposed Project would generate temporary air emissions during Project construction. Specific criteria for determining whether the potential air quality impacts of a project are significant are set forth in the SCAQMD *CEQA Air Quality Handbook*.<sup>1</sup> The daily thresholds for construction emissions established by the SCAQMD, and which are used in the analysis of air quality impacts for the proposed Project, are presented in Table 4.3.A.

**Table 4.3.A: SCAQMD Construction and Operation Thresholds of Significance (lbs/day)**

	VOC	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Construction Thresholds	75	100	550	150	150	55
Operation Thresholds	55	55	550	150	150	55

Source: *CEQA Air Quality Handbook* (SCAQMD 1993).

CO = carbon monoxide

lbs/day = pounds per day

NO<sub>x</sub> = nitrogen oxides

PM<sub>10</sub> = particulate matter less than 10 microns in size

PM<sub>2.5</sub> = particulate matter less than 2.5 microns in size

SCAQMD = South Coast Air Quality Management District

SO<sub>2</sub> = sulfur dioxide

VOC = volatile organic compounds

Projects in the Basin with construction-related emissions that exceed any of the emission thresholds in Table 4.3.A are considered potentially significant by the SCAQMD.

In addition, the SCAQMD published its *Final Localized Significance Threshold Methodology* in July 2008b, recommending that all air quality analyses include an assessment of air quality impacts to nearby sensitive receptors.<sup>2</sup> This guidance was used to analyze potential localized air quality impacts associated with construction of the proposed Project. Localized significance thresholds (LSTs) are developed based on the size or total area of the emission source, the ambient air quality in the Source Receptor Area (SRA), and the distance to the Project. The SCAQMD defines structures that house persons (e.g., children, the elderly, persons with pre-existing respiratory or cardiovascular illness, and athletes and others who engage in frequent exercise) or places where they gather as sensitive receptors (i.e., residences, schools, playgrounds, child-care centers, convalescent centers, retirement homes, and athletic fields).

LSTs are based on the ambient concentrations of that pollutant within the Project’s SRA and the distance to the nearest sensitive receptor. For the proposed Project, the appropriate SRA for the LST is the Saddleback Valley area (SRA 19). The SCAQMD provides LST screening tables for 25-, 50-, 100-, 200-, and 500-meter source-receptor distances.

*a) Would the Project conflict with or obstruct implementation of the applicable air quality plan?*

An Air Quality Management Plan (AQMP) describes air pollution control strategies to be taken by the SCAQMD to meet air quality standards. On March 3, 2017, the SCAQMD adopted the 2016 AQMP, which is a regional and multi-agency effort (i.e., SCAQMD, CARB, Southern California

<sup>1</sup> South Coast Air Quality Management District (SCAQMD). 1993. *CEQA Air Quality Handbook*. April.

<sup>2</sup> South Coast Air Quality Management District (SCAQMD). 2008b. *Final Localized Significance Threshold Methodology*. July.

Association of Governments [SCAG], and the EPA). The main purpose of an AQMP is to bring an area into compliance with the requirements of federal and State air quality standards. CEQA requires that certain proposed projects be analyzed for consistency with an AQMP. The two principal criteria for conformance to an AQMP are:

1. Whether the project would result in an increase in the frequency or severity of existing air quality violations; cause or contribute to new violations; or delay timely attainment of air quality standards; and
2. Whether the project would exceed the assumptions in the AQMP.

For a project to be consistent with the SCAQMD AQMP, the pollutants emitted from the proposed Project should not exceed the SCAQMD daily emission threshold or cause a significant impact on air quality. As shown in Sections 4.3(b) through 4.3(d) below, the proposed Project would not generate emissions that exceed SCAQMD thresholds. Therefore, regarding the first criterion for conformance to an AQMP, the proposed Project would not (1) generate short-term or long-term emissions of VOCs, NO<sub>x</sub>, PM<sub>2.5</sub>, or PM<sub>10</sub> that could potentially cause an increase in the frequency or severity of existing air quality violations; (2) cause or contribute to new violations; or (3) delay timely attainment of air quality standards.

With respect to the second criterion, the proposed Project would not increase or modify the City's population, housing, or employment projections. The proposed Project would provide the water infrastructure needed to serve the current and future demand for water. Therefore, the proposed Project would not conflict with the SCAQMD AQMP and would not conflict with or obstruct implementation of the SCAQMD AQMP. No mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*b) Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard?*

CEQA defines a cumulative impact as two or more individual effects that, when combined, are considerable or that compound or increase other environmental impacts. The construction and operational emissions associated with the proposed Project are analyzed below. If the combined construction and operational criteria pollutant emissions are less than the SCAQMD thresholds, there would not be a cumulatively considerable net increase. The proposed Project would not generate operation- or construction-period emissions in excess of established standards, as described below. Therefore, the proposed Project would not result in a cumulative considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or State AAQS.

**Short-Term Construction Emissions.** During construction, short-term degradation of air quality may occur due to the release of particulate matter emissions (i.e., fugitive dust) generated by excavating, paving, and building activities. Emissions from construction equipment are also anticipated and

would include CO, NO<sub>x</sub>, VOCs, directly-emitted particulate matter (PM<sub>2.5</sub> and PM<sub>10</sub>), and toxic air contaminants (TACs) such as diesel exhaust particulate matter.

Construction would involve demolition, site preparation, grading, trenching, building construction, paving, and architectural coatings (painting). The proposed Project would include an additional demolition phase at the end of project construction to represent the removal of the decommissioned pump station located adjacent to the IRWD Zone B East Reservoir. As previously mentioned in the Project Description, the demolition of the existing Lake Forest Zone B to C Pump Station would occur after the construction of the new pump station. The Zone B piping from the existing Zone B East Reservoir would be cut back and equipped with a flushout. The Zone C discharge piping would be cut back and equipped with a blind flange and air and vacuum relief valve. The trenching phase assumes the short-term excavation and construction of a subterranean enclosure at the proposed intertie location.

Construction-related effects on air quality would be greatest during the grading phase, due to the disturbance of soils. If not properly controlled, these activities would temporarily generate particulate emissions. A source of fugitive dust would come from the disturbance of soil during excavation or handling. Unless properly controlled, vehicles leaving the site would deposit dirt and mud on local streets, which could be an additional source of airborne dust after it dries. PM<sub>10</sub> emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM<sub>10</sub> emissions would depend on soil moisture, silt content of soil, wind speed, and the amount of operating equipment. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site.

Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The SCAQMD has established Rule 403: Fugitive Dust, which would require the applicant to implement measures that would reduce the amount of particulate matter generated during the construction period.

In addition to dust-related PM<sub>10</sub> emissions, heavy trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO<sub>x</sub>, NO<sub>x</sub>, VOCs, and some soot particulate (PM<sub>2.5</sub> and PM<sub>10</sub>) in exhaust emissions. If construction activities were to increase traffic congestion in the area, CO and other emissions from traffic would increase slightly while those vehicles are delayed. These emissions would be temporary and limited to the immediate area surrounding the construction site.

Construction emissions were estimated for the proposed Project using the California Emissions Estimator Model Version 2016.3.2 (CalEEMod), consistent with SCAQMD recommendations. The proposed Project would require demolition and removal of approximately 4 tons of debris from the existing Project site, which was accounted for in the CalEEMod analysis during each demolition phase. The Project would require cut-and-fill quantities of soil during grading and trenching to incorporate the new pump station infrastructure. Approximately 519 cubic yards (cy) of soil would be imported to the new pump station site, and approximately 350 cy of soil would be exported from the intertie meter located along Portola Parkway, between El Toro Road and Saddleback Parkway. The removal of debris and soil would require approximately 190 total truck trips over the

demolition, grading, and trenching phases. Emissions associated with vehicle and haul truck trips, in combination with anticipated construction equipment, were estimated using CalEEMod. For the purpose of this analysis, the construction schedule for all improvements was evaluated over a 12-month period, based on the construction schedule provided by IRWD. Construction-related emissions are presented in Table 4.3.B. CalEEMod output sheets are included in Appendix A.

**Table 4.3.B: Short-Term Regional Construction Emissions**

Construction Phase	Maximum Daily Regional Pollutant Emissions (lbs/day)							
	VOCs	NO <sub>x</sub>	CO	SO <sub>x</sub>	Fugitive PM <sub>10</sub>	Exhaust PM <sub>10</sub>	Fugitive PM <sub>2.5</sub>	Exhaust PM <sub>2.5</sub>
Demolition <sup>1</sup>	0.84	7.28	7.95	0.01	0.12	0.41	0.03	0.39
Site Preparation	0.66	7.84	4.22	0.01	0.26	0.30	0.04	0.28
Grading	0.88	8.68	8.24	0.02	0.50	0.41	0.22	0.39
Building Construction	0.82	8.29	7.63	0.01	0.11	0.45	0.03	0.41
Paving	0.77	5.97	7.66	0.01	0.20	0.30	0.05	0.28
Architectural Coating	5.34	1.41	1.88	0.00	0.02	0.08	0.01	0.08
Intertie Trenching	0.72	5.86	8.82	0.01	0.11	0.30	0.03	0.29
Demolition 2 <sup>1</sup>	0.75	6.44	7.82	0.01	0.11	0.34	0.03	0.32
<b>Peak Daily Emissions</b>	<b>5.34</b>	<b>8.68</b>	<b>8.82</b>	<b>0.02</b>	<b>0.91</b>		<b>0.61</b>	
<b>SCAQMD Thresholds</b>	<b>75.00</b>	<b>100.00</b>	<b>550.00</b>	<b>150.00</b>	<b>150.00</b>		<b>55.00</b>	
<b>Significant?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>		<b>No</b>	

Source: Compiled by LSA Associates, Inc. (December 2020).

<sup>1</sup> Demolition of the existing Zone B Pump Station would occur after construction of the proposed Project is complete.

CO = carbon monoxide

lbs/day = pounds per day

NO<sub>x</sub> = nitrogen oxides

PM<sub>10</sub> = particulate matter less than 10 microns in size

PM<sub>2.5</sub> = particulate matter less than 2.5 microns in size

SCAQMD = South Coast Air Quality Management District

SO<sub>x</sub> = sulfur oxides

VOCs = volatile organic compounds

As shown in Table 4.3.B, construction emissions would not exceed the SCAQMD thresholds for maximum daily construction emissions. Also, the proposed Project would comply with SCAQMD Rule 403, a measure required to reduce the amount of particulate matter generated during the construction period. Therefore, the proposed Project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or State AAQS.

**Operational Emissions.** Long-term air pollutant emissions associated with operation of the proposed Project include emissions from area, energy, and mobile sources. Area sources include architectural coatings and landscaping. Energy source emissions result from activities on site that use electricity. Mobile-source emissions are from vehicle trips associated with operation of the proposed Project.

PM<sub>10</sub> emissions result from running exhaust, tire and brake wear, and the entrainment of dust into the atmosphere from vehicles traveling on paved roadways. Entrainment of PM<sub>10</sub> occurs when vehicle tires pulverize small rocks and pavement and the vehicle wakes generate airborne dust. The contribution of tire and brake wear is small compared to the other PM emission processes. Gasoline-powered engines have small rates of particulate matter emissions compared with diesel-powered vehicles.

**Long-Term Regional Air Quality Impacts.** The Project’s long-term operation consists of a remotely monitored and operated Zone B to C Pump Station that would improve water quality within IRWD’s Zone B to Zone C recycled water system. The new facility would contain an enclosed pump station with an associated air-conditioned electrical room and an elevated surge tank platform adjacent to the pump building on site.

The proposed Project would include a back-up generator for emergency use that would be the only permanent piece of on-site equipment that would produce stationary source emissions. Typical operational emissions associated with the Project would be from off-site mobile sources (i.e., worker trips to the site) for on-site inspections or maintenance. Operation of the proposed Project would be conducted remotely and there would not be any full-time dedicated staff at the site. The proposed Project would not generate vehicle trips for normal day-to-day operations. However, in order to be conservative and capture any maintenance trips that do occur, this analysis assumes that the Project operations would generate 5 average daily trips (ADT). Air emissions associated with these trips and other emissions sources (i.e., building maintenance) were calculated using CalEEMod, and results are shown in Table 4.3.C.

**Table 4.3.C: Project Operational Air Quality Emissions**

Emissions Category	Pollutant Emissions (lbs/day)					
	VOCs	NO <sub>x</sub>	CO	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>x</sub>
Area Sources	0.06	0.00	<0.01	0.00	0.00	0.00
Energy Sources	0.00	0.00	0.00	0.00	0.00	0.00
Mobile Sources	<0.01	0.04	0.14	0.05	0.01	0.01
Stationary Sources	0.01	0.04	0.03	<0.01	<0.01	<0.01
<b>Total Project Emissions</b>	<b>0.07</b>	<b>0.04</b>	<b>0.17</b>	<b>0.05</b>	<b>0.01</b>	<b>0.01</b>
<b>SCAQMD Threshold</b>	<b>75.00</b>	<b>100.00</b>	<b>550.00</b>	<b>150.00</b>	<b>55.00</b>	<b>150.00</b>
<b>Exceeds?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Source: Compiled by LSA Associates, Inc. (December 2020).

CO = carbon monoxide

lbs/day = pounds per day

NO<sub>x</sub> = nitrogen oxides

PM<sub>2.5</sub> = particulate matter less than 2.5 microns in size

PM<sub>10</sub> = particulate matter less than 10 microns in size

SCAQMD = South Coast Air Quality Management District

SO<sub>x</sub> = sulfur oxides

VOCs = volatile organic compounds

As indicated in Table 4.3.C, the proposed Project would not lead to any exceedances of air quality thresholds for operational emission criteria pollutants set forth by the SCAQMD; therefore, no mitigation would be required.

As discussed above, the proposed Project would not exceed construction or operational emission thresholds for the criteria pollutants established by the SCAQMD. Therefore, the proposed Project would not contribute a considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or State AAQS. No mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.



*c) Would the Project expose sensitive receptors to substantial pollutant concentrations?*

Sensitive receptors are defined as people that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include schools, parks and playgrounds, day-care centers, nursing homes, hospitals, and residential dwelling units. The proposed Project has three components: the intertie site, the demolition of the existing Zone B Pump Station, and the proposed Zone B to C Pump Station. Sensitive receptors at each respective construction location were evaluated to identify the nearest sensitive receptors. The closest sensitive receptors are the single-family residences located approximately 525 ft south of the proposed intertie site. There are single-family homes approximately 897 ft to the southwest of the existing Zone B to C Pump Station adjacent to the IRWD Zone B East Reservoir. The proposed pump station would be located approximately 1,232 feet south of the closest sensitive receptors.

**Local Significance Analysis.** As discussed above, LSTs are developed based on the size or total area of the emission source, the ambient air quality in the SRA, and the distance to the Project. The proposed Project is located within the Saddleback Valley SRA (SRA 19). The nearest sensitive receptors to the Project site are single-family residences located south of the Intertie. The proposed Project construction emissions were compared to the LST screening tables in SRA 19 based on a 525 ft distance to the nearest sensitive receptor on 1 ac as defined by the SCAQMD.

LSTs apply to CO, NO<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> emissions during construction and operation at the discretion of the lead agency. Screening-level analysis of LSTs is only recommended for construction activities at project sites that are approximately 5 ac or less. The proposed Project site has an overall area of 0.413 ac. Therefore, to be conservative, the screening-level analysis of 1 ac was used for construction and operational LST comparisons.

Localized significance is determined by comparing the on-site-only portion of the construction and operational emissions with emissions thresholds derived by the SCAQMD to ensure that pollutant concentrations at nearby sensitive receptors would be below the LST thresholds established by the SCAQMD. Tables 4.3.D and 4.3.E compare the estimated construction and operational emissions to the LST thresholds set forth by the SCAQMD. Results of the LST analysis indicate that on-site emissions during the construction and operation periods would be well below the SCAQMD LSTs.

**Table 4.3.D: Localized Significance Thresholds for Construction Emissions**

	Emission Rates (lbs/day)			
	NO <sub>x</sub>	CO	PM <sub>10</sub>	PM <sub>2.5</sub>
On-Site Project Emissions	8.0	8.5	0.7	0.6
<b>Localized Significance Thresholds</b>	<b>127.0</b>	<b>1,919.0</b>	<b>38.0</b>	<b>15.0</b>
<b>Exceeds?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Source: Compiled by LSA Associates, Inc. (December 2020).

Note: SRA 19, 525-foot distance, based on 1-acre construction disturbance daily area.

CO = carbon monoxide      PM<sub>2.5</sub> = particulate matter less than 2.5 microns in size

lbs/day = pounds per day      PM<sub>10</sub> = particulate matter less than 10 microns in size

NO<sub>x</sub> = nitrogen oxides      SRA = Source Receptor Area

**Table 4.3.E: Localized Significance Thresholds for Operational Emissions**

	Emission Rates (lbs/day)			
	NO <sub>x</sub>	CO	PM <sub>10</sub>	PM <sub>2.5</sub>
On-Site Project Emissions	<0.1	<0.1	<0.1	<0.1
<b>Localized Significance Thresholds</b>	<b>127.0</b>	<b>1,919.0</b>	<b>9.6</b>	<b>3.8</b>
<b>Exceeds?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Source: Compiled by LSA Associates, Inc. (December 2020).  
 Note: SRA 19, 525-foot distance, based on 1-acre construction disturbance daily area.  
 CO = carbon monoxide      PM<sub>2.5</sub> = particulate matter less than 2.5 microns in size  
 lbs/day = pounds per day    PM<sub>10</sub> = particulate matter less than 10 microns in size  
 NO<sub>x</sub> = nitrogen oxides      SRA = Source Receptor Area

The proposed Project would also include a backup emergency generator. Emergency generators are regulated by the SCAQMD permitting process. IRWD would be required to obtain applicable permits from the SCAQMD to operate an emergency generator. Although emergency generators are intended only to be used in periods of power outages, monthly testing of the generator would be required. The air district limits testing to no more than 200 hours per year. The proposed generator would be located approximately 1,232 ft from the nearest residential receptor. Given the distance from the generator to the receptor location, due to dispersion, emissions would not result in any significant impacts to receptor locations.

Therefore, sensitive receptors would not be exposed to substantial criteria pollutant concentrations during the proposed Project’s construction or operation. No mitigation is required.

**Significance Determination:** Less Than Significant Impact  
**Mitigation Measures:** No mitigation is required.

*d) Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?*

The SCAQMD *CEQA Air Quality Handbook* (1993) identifies various secondary significance criteria related to odorous air contaminants. Substantial odor-generating sources include land uses such as agricultural activities, feedlots, wastewater treatment facilities, landfills, or heavy manufacturing uses. The proposed Project would not construct any such uses or include other activities that would result in potentially significant odor impacts. Some objectionable odors may emanate from the operation of diesel-powered construction equipment during construction of the proposed Project. However, objective odors, if any, would be temporary and are not likely to be noticeable for extended periods of time beyond the Project site. Therefore, no significant impacts related to objectionable odors would result from the proposed Project, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact  
**Mitigation Measures:** No mitigation is required.

#### 4.4 BIOLOGICAL RESOURCES

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The following analysis summarizes the potential impacts of the proposed Project on biological resources. The potential impacts to biological resources were evaluated using the Project Description, a literature search (i.e., California Natural Diversity Database [CNDDDB], California Native Plant Society [CNPS], and Information for Planning and Consultation [IPaC] database), and existing conditions and land use designations. In addition, a site visit was conducted on December 7, 2020 to assess the existing biological resources associated with the approximately 0.413 ac proposed pump station site. Refer to Appendix B for the Biological Resources Assessment prepared for the proposed Project.<sup>1</sup>

<sup>1</sup> LSA Associates, Inc. 2020a. Biological Resources Assessment for the Lake Forest Zone B to C Pump Station Project. December 9.

#### 4.4.1 Impact Analysis

- a) *Would the Project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?*

The Project site consists primarily of bare ground and dirt pads surrounding an enclosed dirt and gravel area that was previously occupied by Lake Forest Well No. 5. The Project site is surrounded by Serrano Creek Trail to the north, commercial uses to the west and east, and Lake Forest Drive to the south. Although several special-status plant species were identified in the records searches and literature review as occurring or potentially occurring in the Project vicinity and surrounding areas, there are no special-status plant species within or adjoining the Project site. Of the special-status animal species identified in the records searches and literature review, none were observed on site at the time of the site survey. While it is more likely that certain special-status bats (i.e., western mastiff bat [*Eumops perotis californicus*] and western red bat [*Lasiurus blossevillii*]) and raptors (i.e., Cooper's hawk [*Accipiter cooperii*] and white-tailed kite [*Elanus leucurus*]) may roost/nest in the more densely forested areas of the nearby creek and trail, these species could potentially forage within the vegetated areas on site. However, since the existing conditions associated with the Project site are highly disturbed and degraded and the quantity of impacts is small, the loss of this small quantity of disturbed habitat is not likely to result in a substantial adverse impact to these species. Therefore, impacts to habitat as a result of the proposed Project would be less than significant, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

- b) *Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?*

As described in the Biological Resources Assessment for the Lake Forest Zone B to C Pump Station Project,<sup>1</sup> no riparian habitat exists within the Project site. However, riparian habitat associated with Serrano Creek is located adjacent to the Project site. Project construction would occur within the limits of the 0.413 ac Project site and would not result in the removal of, or other direct impacts to, this riparian habitat or any other sensitive natural communities. However, indirect impacts due to noise and vibration disturbances during construction work could potentially disrupt or otherwise impact bat roosting and/or bird nesting activities in adjacent habitat associated with Serrano Creek, which is approximately 100 ft from the Project site. Adhering to Mitigation Measure BIO-1, General Nesting Bird Surveys and Avoidance of Active Nests, and Mitigation Measure BIO-2, Roosting Bat Survey, will avoid potential indirect impacts to the species. With implementation of Mitigation Measures BIO-1 and BIO-2, impacts would be less than significant.

<sup>1</sup> LSA Associates, Inc. 2020a. Biological Resources Assessment for the Lake Forest Zone B to C Pump Station Project. December 9.

**Significance Determination:** Less Than Significant with Mitigation Incorporated

**Mitigation Measures:**

**BIO-1 General Nesting Bird Surveys and Avoidance of Active Nests.** In the event that any construction, vegetation clearing, or grading activities (including disking and demolition) should occur between February 1 and September 1, a qualified biologist shall conduct a nesting bird survey within 5 days of commencement of construction activities to confirm the absence of nesting birds. If active nesting of birds is observed within 500 feet (ft) of the designated construction area during surveys, the biologist, in consultation with Irvine Ranch Water District (IRWD), will determine suitable buffers around the active nests (e.g., a minimum of 50 ft for passerines and 250 ft for raptors). The buffer areas must be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests. Prior to commencement of grading activities, IRWD shall verify that all Project grading and construction plans include specific documentation of compliance with the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code Section 3503. This would include completion of pre-construction survey reports that have been reviewed by staff and verification that appropriate buffers (if needed) have been noted on the plans and established in the field using orange snow fencing.

**BIO-2 Roosting Bat Survey.** A qualified bat biologist shall conduct a pre-construction roosting bat survey of the Project site and adjacent habitat to determine if any bats are present and to identify the need for any appropriate protective measures. This pre-construction roosting bat survey, consisting of a nighttime exit count and acoustic data collection, should be conducted during the bat maternity season (April 1 through August 31) well in advance of construction in order to provide adequate time for potential mitigation planning. To the greatest extent feasible, tree trimming/removal activities should be conducted outside the bat maternity season, which occurs from April 1 through August 31, to avoid direct impacts to nonvolant (flightless) young that may roost in trees within and adjacent to the Project site. If trimming or removal of trees during the bat maternity season (April 1 through August 31) cannot be avoided, a qualified biologist shall monitor the tree removal or trimming activities.

*c) Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?*

Although Serrano Creek is located approximately 100 ft from the Project site, there are no jurisdictional wetlands or other State and/or federally regulated waterbodies within or adjoining the Project site. As a result, the proposed Project would not impact any jurisdictional waterbodies, including wetlands. Therefore, no mitigation would be required.

**Significance Determination:** No Impact

**Mitigation Measures:** No mitigation is required.

- d) *Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?*

While wildlife use Serrano Creek and the Serrano Creek Trail for movement purposes, the proposed Project would not substantially interfere with wildlife movement in the vicinity of the Project site. Although artificial lighting during construction activities could potentially impede or alter wildlife movement activities, implementation of Mitigation Measure BIO-3, Construction Lighting, would avoid impacts to nocturnal wildlife using Serrano Creek and the Serrano Creek Trail during nighttime hours. With implementation of Mitigation Measure BIO-3, impacts to wildlife movement would be reduced to less than significant.

**Significance Determination:** Less Than Significant with Mitigation Incorporated

**Mitigation Measure:**

- BIO-3 Construction Lighting.** No nighttime construction work shall occur within 200 ft of Serrano Creek, and no construction lighting shall be placed within 200 ft of Serrano Creek unless a qualified biologist confirms that the lighting does not illuminate Serrano Creek.

- e) *Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?*

The proposed Project is not expected to conflict with any local policies or ordinances protecting biological resources. In compliance with the City of Lake Forest Municipal Code (Section 6.20.025), if any eucalyptus trees on the Project site are to be removed or trimmed between April 1 and November 1, IRWD must first obtain a permit from the City for the transportation of any logs, branches, or trunks to an off-site location for disposal. In addition, the removal and/or trimming of trees could inadvertently result in the spread of Invasive Shot Hole Borers (ISHBs), if present in the trees to be removed or trimmed. However, with implementation of Mitigation Measure BIO-4, impacts would be reduced to less than significant.

**Significance Determination:** Less Than Significant with Mitigation Incorporated

**Mitigation Measure:**

- BIO-4 Invasive Shot Hole Borers (ISHBs).** A designated biologist familiar with the signs of ISHBs shall survey trees on the Project site that are designated for removal or trimming. Surveys should be conducted at least 30 days prior to removal or trimming activities. If any tree is determined to be infested/infected by ISHBs, a control plan should be prepared and submitted to CDFW for review and approval. At a minimum, the control plan should include methods of control, removal, and appropriate disposal techniques to prevent the spread of ISHBs.

*f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?*

The Project site is located within the Orange County Central and Coastal Natural Communities Conservation Plan/Habitat Conservation Plan (NCCP/HCP) planning area but outside the boundaries of the NCCP/HCP Reserve System. The Reserve System boundary is located approximately 0.8 mi northeast of the Project site. The Project site is in an area identified in the NCCP/HCP as urbanized and is located in an area designated for development. Development of the proposed Project would not result in the removal of any sensitive habitat species identified in the Orange County Central and Coastal NCCP/HCP. The proposed Project would not conflict with local ordinances or the adopted HCP, NCCP, or other approved local, regional, or State HCP. Therefore, the proposed Project would result in a less than significant impact related to local ordinances and the adopted NCCP/HCP, and no mitigation is required.

**Significance Determination:** No Impact

**Mitigation Measures:** No mitigation is required.

**4.5 CULTURAL RESOURCES**

		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<i>Would the project:</i>					
a)	Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b)	Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c)	Disturb any human remains, including those interred outside of dedicated cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**4.5.1 Impact Analysis:**

*a) Would the Project cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?*

CEQA defines a “historical resource” as a resource that meets one or more of the following criteria: (1) listed in, or determined eligible for listing in, the California Register of Historical Resources (California Register); (2) listed in a local register of historical resources as defined in PRC Section 5020.1(k); (3) identified as significant in a historical resource survey meeting the requirements of PRC Section 5024.1(g); or (4) determined to be a historical resource by a project’s Lead Agency (PRC Section 21084.1 and *State CEQA Guidelines* Section 15064.5[a]).

The California Register defines a “historical resource” as a resource that meets one or more of the following criteria: (1) associated with events that have made a significant contribution to the broad patterns or local or regional history of the cultural heritage of California or the United States; (2) associated with the lives of persons important to local, California, or national history; (3) embodies the distinctive characteristics of a type, period, region, or method of construction or represents the work of a master or possesses high artistic values; or (4) has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

Implementation of the proposed Project would not cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5 of the *State CEQA Guidelines* or the California Register. As detailed in the Cultural Resources Study for the Lake Forest Zone B to C Pump Station Project (Appendix C),<sup>1</sup> a records search was conducted on December 4, 2020, to identify historic resources in the Project area. There are no structures on the Project site that are eligible for listing in the California Register, listed in a local register of historic places, or identified as or determined to be a historic resource by the City. Therefore, the proposed Project would not cause a substantial adverse change in the significance of a historical resource, and no mitigation is required.

<sup>1</sup> LSA Associates, Inc. 2020b. Cultural Resources Study for the Lake Forest Zone B to C Pump Station Project. December 11.



**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?*

As detailed in the Cultural Resources Study for the Lake Forest Zone B to C Pump Station Project (Appendix C),<sup>1</sup> a records search was conducted on December 4, 2020, to identify historic resources in the Project area. The records search was conducted by Michelle Galaz at the South Central Coastal Information Center (SCCIC) of the California Historical Resources Information System (CHRIS) at California State University, Fullerton. The SCCIC houses the pertinent archaeological and historic site and survey information necessary to determine whether cultural resources are known to exist within the Project area. In addition, the Built Environment Resources Directory, California Historical Landmarks, California Points of Historical Interest, *Five Views: An Ethnic Historic Site Survey for California*, and California Inventory of Historic Resources were reviewed.

The record search results indicate that eight previous cultural resources studies have included the Project site. There have been 20 additional studies conducted within 0.25 mi of the Project site. In addition, 11 pre-contact archaeological resources have been previously recorded within 0.25 mi of the Project site.

The cultural resources study, consisting of a record search and a field survey, did not identify archaeological cultural resources within the Project site. In addition, the two Project component locations with proposed ground disturbance (i.e., the proposed new pump station and proposed intertie locations) have been monitored for archaeological resources during previous ground-disturbing activities with negative findings for cultural resources.<sup>2,3</sup> Given the previous disturbance of the Project site and the negative findings during archaeological monitoring of the previous ground disturbance, the likelihood of encountering subsurface archaeological cultural resources during ground-disturbing construction activities is low.

However, due to the number of pre-contact cultural resources that have been recorded within 0.25 mi of the Project site, IRWD should verify that all construction and grading plans include requirements specifying that if archaeological resources are discovered during excavation, grading, or construction activities, work shall cease within 50 ft of the find until a qualified archaeologist can evaluate the find. Compliance with Mitigation Measure CUL-1 would ensure that potential impacts to unknown buried archaeological resources would be reduced to a less than significant level.

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<sup>1</sup> LSA Associates, Inc. 2020b. Cultural Resources Study for the Lake Forest Zone B to C Pump Station Project. December 11.

<sup>2</sup> Brock, James P. 1991. Report on Archaeological Monitoring of Rough Grading of Portola Parkway at Aliso Creek, El Toro, California (Station 13+67 to El Toro Road). Archaeological Advisory Group. On file, South Central Coastal Information Center, California State University, Fullerton (Accession No. OR-01156).

<sup>3</sup> Gust, Sherri. 1999. Archaeological and Paleontological Monitoring Report for Serrano Creek Business Center, Lake Forest, California. RMW Paleo Associates, Inc. On file, South Central Coastal Information Center, California State University, Fullerton (Accession No. OR-04358).

**Significance Determination:** Less Than Significant with Mitigation Incorporated**Mitigation Measure:**

**CUL-1 Cultural Resources.** Prior to commencement of construction activities, Irvine Ranch Water District shall verify that the Project includes requirements specifying that if archaeological resources are discovered during excavation, grading, or construction activities, work shall cease within 50 feet (ft) of the find until a qualified archaeologist from the Orange County List of Qualified Archaeologists has evaluated the find in accordance with federal, State, and local guidelines to determine whether the find constitutes a “unique archaeological resource,” as defined in Section 21083.2(g) of the California Public Resources Code (PRC). Personnel of the proposed Project shall not collect or move any archaeological materials and associated materials. Construction activity may continue unimpeded on other portions of the Project site. The found deposits shall be treated in accordance with federal, State, and local guidelines, including those set forth in PRC Section 21083.2.

*c) Would the project disturb any human remains, including those interred outside of dedicated cemeteries?*

As stated in Response 4.5(c), given the previous disturbance of the Project site and the negative findings during archaeological monitoring of the previous ground disturbance, the likelihood of encountering subsurface archaeological cultural resources during ground-disturbing construction activities is very low. In the unlikely event that human remains are encountered during Project excavation, the proper authorities would be notified, and standard procedures for the respectful handling of human remains during the earthmoving activities would be adhered to. Construction contractors are required to adhere to California Code of Regulations (CCR) Section 15064.5(e), PRC Section 5097, and Section 7050.5 of the State’s Health and Safety Code. To ensure proper treatment of burials, in the event of an unanticipated discovery of a burial, human bone, or suspected human bone, the law requires that all excavation or grading in the vicinity of the find halt immediately, the area of the find be protected, and the contractor immediately notify the County Coroner of the find. All parties are required to comply with the provisions of CCR Section 15064.5(e), PRC Section 5097.98, and Section 7050.5 of the State’s Health and Safety Code. Furthermore, compliance with these provisions (specified in Mitigation Measure CUL-2), would ensure that any potential impacts to unknown buried human remains would be less than significant by ensuring appropriate examination, treatment, and protection of human remains as required by State law.

**Significance Determination:** Less than Significant with Mitigation Incorporated**Mitigation Measure:**

**CUL-2 Human Remains.** In the unlikely event that human remains are encountered on the Project site, California Health and Safety Code 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to California PRC Section 5097.98. The County Coroner shall be notified immediately if any human remains are found. If the remains are determined to be prehistoric, the coroner shall notify the Native American Heritage Commission, which will determine and notify the Most Likely Descendant. With the

permission of Irvine Ranch Water District (IRWD) or an authorized representative, the Most Likely Descendant may inspect the site of discovery. IRWD shall meet and confer with the Most Likely Descendant regarding their recommendations prior to disturbing the site with further construction activity.

## 4.6 ENERGY

		Less Than Significant			
		Potentially Significant Impact	With Mitigation Incorporated	Less Than Significant Impact	No Impact
<i>Would the project:</i>					
a)	Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b)	Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### 4.6.1 Impact Analysis

a) *Would the project result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?*

The proposed Project’s consumption of energy during construction and operation is calculated via CalEEMod Version 2016.3.2, as detailed in Appendix A.

**Construction-Period Energy Use.** The tentative construction schedule shows the proposed Project construction would last approximately 12 months. Construction would require energy for the manufacture and transportation of building materials, preparation of the site and excavation activities, utility installation, paving, construction, and architectural coatings (painting). Petroleum fuels (e.g., diesel and gasoline) would be the primary sources of energy for these activities. However, energy usage on the project site during construction would be temporary in nature.

The CalEEMod output for energy consumption incorporates project compliance with SCAQMD Rule 431.2, Title 13-Section 2449 of the CCR, and the California Department of Resources Recycling and Recovery (CalRecycle) Green Building Program regulations, which include implementation of standard control measures for equipment emissions and materials recycling. Adherence to these regulations, including the implementation of Best Available Control Measures (BACMs), is a standard requirement for any construction or ground disturbance activity occurring within the Basin. BACMs include, but are not limited to:

- Requirements that the project proponent utilize only low-sulfur fuel having a sulfur content of 15 parts per million by weight or less;
- Ensure off-road vehicles (i.e., self-propelled diesel-fueled vehicles 25 horsepower and up that were not designed to be driven on road) limit vehicle idling to 5 minutes or less;
- Register and label vehicles in accordance with the CARB Diesel Off-Road Online Reporting System;
- Restrict the inclusion of older vehicles into fleets; and

- Retire, replace, or repower older engines or install Verified Diesel Emission Control Strategies (i.e., exhaust retrofits).

Additionally, the construction contractor must recycle/reuse at least 65 percent of the construction material (including, but not limited to, proposed aggregate base, soil, mulch, vegetation, concrete, lumber, metal, and cardboard) and use “Green Building Materials” (e.g., those materials that are rapidly renewable or resource efficient and recycled and manufactured in an environmentally friendly way) for at least 10 percent of the project in accordance with CalRecycle regulations. Through compliance with SCAQMD Rule 431.2, Title 13-Section 2449 of the CCR, and the CalRecycle Green Building Program as a matter of regulatory policy, construction of the project would demand only the energy required, and impacts from wasteful, inefficient, or unnecessary energy consumption would be less than significant. No mitigation is required for short-term construction impacts.

**Operational Energy Use.** During Project operation, electricity would be the main form of energy consumed on site. Natural gas would not be available at the proposed Project site as a source of energy. Electricity would be used primarily for lighting and water pumping. A stand-by backup diesel powered 200-kilowatt (kW) emergency generator would be installed and maintained on site. Estimated energy, natural gas, and employee gasoline-usage estimates are shown in Table 4.6.A.

**Table 4.6.A: Estimated Annual Project Energy Use**

Land Use	Electricity Use (kWh/yr)	Natural Gas (Btu/yr)	Employee Vehicle Gasoline (gal/yr)
<b>General Light Industrial Total</b>	19,300	0	996

Source: Compiled by LSA Associates, Inc. (December 2020).

<sup>1</sup> The land use type General Light Industrial is the best representation for the proposed Project based on projected function and energy uses.

Btu/yr = British thermal units per year

gal/yr = gallons per year

kWh/yr = kilowatt-hours per year

As identified in Table 4.6.A, demand from proposed uses would generate 19,300 kilowatt-hours (kWh) of electricity. No on-site natural gas usage would occur. The Project would result in energy usage through consumption of gasoline for project-related motor vehicle trips. Using the 2017 fuel economy estimate of 22.3 miles per gallon (mpg),<sup>1</sup> the proposed Project would consume approximately 996 gallons of gasoline annually using an estimated 22,212 annual vehicle miles traveled.

The State of California provides a minimum standard for building design and construction standards through Title 24 of the CCR, known as the California Building Code (CBC). The CBC is updated every 3 years, and the current 2019 CBC went into effect on January 1st, 2020. Compliance with CCR Title 24 is mandatory at the time new building permits are issued by local governments. The California

<sup>1</sup> United States Department of Transportation (USDOT), Bureau of Transportation Statistics. Table 4-23, Average Fuel Efficiency of U.S. Light Duty Vehicles. Website: <https://www.bts.gov/content/average-fuel-efficiency-us-light-duty-vehicles> (accessed November 2020).

Building Standards Commission adopted Part 11 of the Title 24 Building Energy Efficiency Standards (also referred to as the California Green Building Standards Code, or CALGreen) in 2010 as part of the State's efforts to reduce greenhouse gas (GHG) emissions and energy consumption from residential and nonresidential buildings. CALGreen code covers the following five categories: (1) planning and design, (2) energy efficiency, (3) water efficiency and conservation, (4) material conservation and resource efficiency, and (5) indoor environmental quality. The County of Orange (County) has adopted both the CBC and CALGreen Code pertaining to energy conservation. The projected energy use of the project is representative of a worst-case scenario because the estimates do not account for energy efficiency measures that would be incorporated into the proposed Project.

Electricity is provided in the State through a complex grid of power plants and transmission lines. In 2018, California's in-state electric generation totaled 194,842 gigawatt-hours (GWh); the State's total system electric generation, which includes imported electricity, totaled 285,488 GWh.<sup>1</sup> Population growth is the primary source of increased energy consumption in the State. Due to population projections, annual electricity use is anticipated to increase by approximately 1 percent per year through 2027.<sup>2</sup> The Project's net electricity usage would be a minimal fraction of the total energy use in the State and would not represent a substantial demand on available electricity resources.

The average fuel economy for light-duty vehicles (autos, pickups, vans, and sport utility vehicles [SUVs]) in the United States has steadily increased from about 14.9 mpg in 1980 to 22.3 mpg in 2017.<sup>3</sup> As stated previously, implementation of the proposed Project would increase the project-related annual gasoline demand by 996 gallons of gasoline. Automobiles operated by construction workers and employees are subject to fuel economy and efficiency standards applied throughout the State. As such, the fuel efficiency of vehicles associated with the project site would increase throughout the life of the project as the fuel efficiency of vehicles continues to improve in order to meet the State's 2050 GHG emission reduction goals. In addition, as the price and efficiency of electric passenger vehicles improve, more people will buy them, thereby reducing the number and use of fossil fuel-dependent vehicles on the road. The result is a decrease in the gasoline fuel demand in the transportation sector, which includes transit busses and passenger vehicles.

Increasingly stringent electricity and fuel efficiency standards combined with compliance with the latest building code standards and improved alternative transportation infrastructure throughout the region would ensure that operation of the project would demand only the energy required, and impacts from wasteful, inefficient, or unnecessary energy consumption would be less than significant.

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<sup>1</sup> California Energy Commission (CEC). Total System Electric Generation. Website: [https://www.energy.ca.gov/almanac/electricity\\_data/total\\_system\\_power.html](https://www.energy.ca.gov/almanac/electricity_data/total_system_power.html) (accessed November 2020).

<sup>2</sup> California Energy Commission (CEC). 2018. Commission Final Report, California Energy Demand 2018–2030 Revised Forecast. Table ES-1, Comparison of CED 2017 Revised and CEDU 2016 Mid Case Demand Baseline Forecasts of Statewide Electricity Demand. February. Website: [https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docket\\_number=17-IEPR-03](https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docket_number=17-IEPR-03) (accessed November 2020).

<sup>3</sup> United States Department of Transportation (USDOT), Bureau of Transportation Statistics. Table 4-23, Average Fuel Efficiency of U.S. Light Duty Vehicles. Website: <https://www.bts.gov/content/average-fuel-efficiency-us-light-duty-vehicles> (accessed November 2020).

Construction and operation of the proposed Project would not result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources. Impacts would be less than significant, and mitigation is not required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measure:** No mitigation is required.

*b) Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?*

The proposed Project would comply with the CBC and CALGreen Code pertaining to energy conservation standards in effect at the time of construction and during operation at the facility. Therefore, the proposed Project would be consistent with State and local applicable plans related to renewable energy and energy efficiency. No impact would occur, and no mitigation is required.

**Significance Determination:** No Impact

**Mitigation Measure:** No mitigation is required.

**4.7 GEOLOGY AND SOILS**

		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<i>Would the project:</i>					
a)	Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
	i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b)	Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c)	Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d)	Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e)	Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f)	Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**4.7.1 Impact Analysis**

- a) *Would the Project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:*
  - i) *Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.*

The Alquist-Priolo Fault Zoning Act was signed into law in 1972 and went into effect in 1973. The purpose of this Act was to require the State Geologist to delineate “Earthquake Fault Zones” (EFZs) along known active faults in California. If a city or county was affected by the EFZs, they would be required to regulate certain development projects within the zones. As with all of Southern California, the Project site is subject to strong ground motion resulting from earthquakes on nearby faults. According to the Geotechnical Study<sup>1</sup> prepared for the Project, the San Joaquin Hills Blind Thrust Fault and the Newport-Inglewood-Rose Canyon Fault Zone are the two closest, active fault zones to the Project site, and are located approximately 3.5 mi and 10.5 mi southwest of the Project

<sup>1</sup> Kleinfelder. 2020. Draft Geotechnical Study. April 15.



site, respectively. There are, however, no known faults crossing the Project site. Furthermore, compliance with the CBC and the recommendations in the Final Geotechnical Study would further minimize impacts with regards to exposure to a known earthquake fault. Therefore, impacts related to the rupture of a known earthquake fault as depicted on the most recent Alquist-Priolo Earthquake Fault Zoning Map would be less than significant. No mitigation is required.

**Significance Determination:** Less than Significant Impact

**Mitigation Measures:** No mitigation is required.

*ii) Would the Project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving strong seismic ground shaking?*

The Project site, like all of Southern California, is in an active seismic region. Ground shaking resulting from earthquakes associated with both nearby and more distant faults is likely to occur. The proposed Project would be required to comply with the most current CBC standards, which stipulate appropriate seismic design provisions that shall be implemented with Project design and construction. Compliance with the CBC and the recommendations in the Final Geotechnical Study would reduce any potential impacts related to on-site seismic ground shaking to a less than significant level. While the Project site would be exposed to seismic ground shaking, the proposed Project would not cause or exacerbate strong seismic ground shaking that would expose people or structures to significant risk of injury or loss of property. No mitigation is required.

**Significance Determination:** Less than Significant Impact

**Mitigation Measures:** No mitigation is required.

*iii) Would the Project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving seismic-related ground failure, including liquefaction?*

Liquefaction commonly occurs when three conditions are present simultaneously: (1) high groundwater; (2) relatively loose, cohesion-lacking (sandy) soil; and (3) earthquake-generated seismic waves. Liquefaction effects can manifest in several ways, including loss of bearing, lateral spread, dynamic settlement, and flow failures.

According to the California Geological Survey, the Project site is within a liquefaction zone.<sup>1</sup> Additionally, as discussed in the Draft Geotechnical Study,<sup>2</sup> due to the presence of groundwater at 40 ft and 46.5 ft below ground surface (bgs) and the presence of nearby, active faults that may produce strong ground shaking during an earthquake, liquefaction and its adverse effects (e.g. dynamic settlement and lateral spreading) may occur at the Project site. However, compliance with the CBC and the recommendations in the Final Geotechnical Study would reduce any potential impacts related to liquefaction to a less than significant level. Therefore, impacts involving seismic-

<sup>1</sup> California Department of Conservation. 2019. CGS Information Warehouse. Website: <https://maps.conservation.ca.gov/cgs/informationwarehouse/regulatorymaps/> (accessed December 10, 2020).

<sup>2</sup> Kleinfelder. 2020. Draft Geotechnical Study. April 15.

related ground failure, including liquefaction, would be less than significant, and no mitigation is required.

**Significance Determination:** Less than Significant Impact

**Mitigation Measures:** No mitigation is required.

*iv) Would the Project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving landslides?*

Seismically induced landslides and other slope failures are common occurrences during or soon after earthquakes in areas with significant ground slopes. According to the California Geological Survey, the Project site is located within a landslide zone.<sup>1</sup> However, the Project site is relatively flat and lacks significant slopes, and no significant slopes would be constructed as part of the proposed Project. Therefore, the potential for project impacts involving seismically induced landslides is less than significant, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*b) Would the Project result in substantial soil erosion or the loss of topsoil?*

During construction activities, excavated soil would be exposed, and there would be an increased potential for soil erosion and sedimentation compared to existing conditions. However, as discussed in Response 4.10(c)(i), because construction of the Project would disturb less than 1 ac of soil, the proposed Project is not subject to the requirements of the State Water Resources Control Board (SWRCB) Construction General Permit. Therefore, preparation of a Storm Water Pollution Prevention Plan (SWPPP) and implementation of Erosion Control and Sediment Control best management practices (BMPs) are not required. Because of the small amount of ground disturbance during construction, Project construction activities have a low potential to result in substantial soil erosion or loss of topsoil. In the proposed condition, the majority of the Project site would be an impervious surface area that would not be prone to erosion or loss of topsoil; therefore, substantial on-site erosion and loss of topsoil would not occur. For these reasons, impacts related to erosion or loss of topsoil would be less than significant, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

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<sup>1</sup> California Department of Conservation. 2019. CGS Information Warehouse. Website: <https://maps.conservation.ca.gov/cgs/informationwarehouse/regulatorymaps/> (accessed December 10, 2020).

- c) *Would the Project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?*

Landslides and other forms of mass wasting, including mud flows, debris flows, and soil slips, occur as soil moves downslope under the influence of gravity. Landslides are frequently triggered by intense rainfall or seismic shaking. Lateral spreading is a phenomenon that can be associated with liquefaction when sloping ground is present. As discussed in Response 4.7(a)(iv), because the Project site is in a relatively flat area, landslides or other forms of natural slope instability do not represent a significant hazard to the Project or the surrounding area. Additionally, as discussed in Response 4.7(a)(iii), although liquefaction and its adverse effects (e.g., dynamic settlement and lateral spreading) could occur at the Project site, compliance with the CBC and the recommendations in the Final Geotechnical Study would reduce any potential impacts related to liquefaction to a less than significant level. Therefore, the Project would not be located on a geologic unit or soil that is unstable or that would become unstable, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact  
**Mitigation Measures:** No mitigation is required.

- d) *Would the Project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?*

As described in the Draft Geotechnical Study,<sup>1</sup> the near surface soils consist of primarily silty to clayey sands with varying amounts of gravel within the artificial fill, which is located approximately 4 ft to 6 ft bgs. These near surface soils have a low to medium expansion potential. Therefore, impacts related to expansive soils would be less than significant, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact  
**Mitigation Measures:** No mitigation is required.

- e) *Would the Project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?*

The proposed Project does not include construction of septic tanks or connections to septic systems or alternative wastewater disposal systems. Therefore, the proposed Project would not result in impacts related to the soils capability to adequately support the use of septic tanks or alternative wastewater disposal systems, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact  
**Mitigation Measures:** No mitigation is required.

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<sup>1</sup> Kleinfelder. 2020. Draft Geotechnical Study. April 15.

f) *Would the Project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?*

According to the Paleontological Analysis of the Lake Forest Zone B to C Pump Station Project (Appendix D), the Project area contains Artificial Fill, which has no paleontological sensitivity; Young Alluvial Fan Deposits, which have low paleontological sensitivity from the surface to a depth of 10 ft and high paleontological sensitivity below that mark; and Very Old Axial Channel Deposits and the Oso Member of the Capistrano Formation, both of which have high paleontological sensitivity. However, excavation for this proposed Project is expected to be limited in terms of location, as well as vertical and horizontal extent. At the existing pump station, which is the only place where the Oso Member of the Capistrano Formation is mapped, there would be no excavation. At the proposed intertie location, excavation is expected to extend to a depth of 6.5 ft and remove only 370 cy. At the proposed pump station site, excavation for the building and retaining wall will extend to a depth of 3 ft, but those facilities appear to be located in the area mapped with Young Alluvial Fan Deposits. Therefore, the only activity that has the potential to impact paleontological resources is in the area of the proposed intertie; however, as noted above, this activity is limited in depth and extent, making the potential for paleontological resources to be present and impacted by Project development very low. As such, in the unlikely event that paleontological resources are encountered during Project construction, work in the immediate area of the discovery shall be halted, and IRWD shall retain a professional paleontologist to assess the discovery (as specified in Mitigation Measure PALEO-1). With implementation of Mitigation Measure PALEO-1, potential impacts to paleontological resources would be reduced to a less than significant level.

At the completion of Project construction, the proposed Project would not result in further disturbance of native soils on the Project site. Therefore, operation of the proposed Project would not result in a substantial adverse change in the significance of a paleontological resource as defined in Section 15064.5 of the *State CEQA Guidelines*, and no additional mitigation is required.

**Significance Determination:** Less Than Significant with Mitigation Incorporated  
**Mitigation Measure:**

**PALEO-1 Paleontological Resources.** In the event that paleontological resources are encountered, work in the immediate area of the discovery shall be halted, and Irvine Ranch Water District (IRWD) shall retain a professional paleontologist who meets the qualifications established by the Society of Vertebrate Paleontology to assess the discovery. The qualified professional paleontologist shall make recommendations regarding the treatment and disposition of the discovered resources, as well as the need for subsequent paleontological mitigation, which may include, but not be limited to, paleontological monitoring; collection of observed resources; preservation, stabilization, and identification of collected resources; curation of scientifically significant resources into a museum repository, and preparation of a monitoring report of findings.

## 4.8 GREENHOUSE GAS EMISSIONS

		Less Than Significant			
		Potentially Significant Impact	With Mitigation Incorporated	Less Than Significant Impact	No Impact
<i>Would the project:</i>					
a)	Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b)	Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### 4.8.1 Technical Background

GHGs (so called because of their role in trapping heat near the surface of the Earth) emitted by human activity are implicated in global climate change, commonly referred to as “global warming.” These GHGs contribute to an increase in the temperature of the Earth’s atmosphere by transparency to short wavelength visible sunlight, but near opacity to outgoing terrestrial long wavelength heat radiation in some parts of the infrared spectrum. The principal GHGs are carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), O<sub>3</sub>, and water vapor. For the purposes of planning and regulation, Section 15364.5 of the CCR defines GHGs to include, but are not limited to, CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), nitrogen trifluoride (NF<sub>3</sub>), and sulfur hexafluoride (SF<sub>6</sub>). Fossil fuel consumption in the transportation sector (on-road motor vehicles, off-highway mobile sources, and aircraft) is the single largest source of GHG emissions, accounting for approximately half of GHG emissions globally. Industrial and commercial sources are the second-largest contributors of GHG emissions with about one-fourth of total emissions.

Certain gases, such as water vapor, are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation.

These gases vary considerably in terms of global warming potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. GWP is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and the length of time that the gas remains in the atmosphere (“atmospheric lifetime”). The GWP of each gas is measured relative to CO<sub>2</sub>, the most abundant GHG. The definition of GWP for a particular GHG is the ratio of heat trapped by 1 unit mass of the GHG to the ratio of heat trapped by 1 unit mass of CO<sub>2</sub> over a specified time period. GHG emissions are typically measured in terms of pounds or tons of “CO<sub>2</sub> equivalents” (CO<sub>2</sub>e).

On June 1, 2005, Governor Arnold Schwarzenegger signed Executive Order (EO) S-3-05, which proclaims that California is vulnerable to the impacts of climate change. It declares that increased temperatures could reduce snowpack in the Sierra Nevada Mountains; could further exacerbate

California's air quality problems; and could potentially cause a rise in sea levels. In an effort to avoid or reduce the impacts of climate change, EO S-3-05 calls for a reduction in GHG emissions to the year 2000 level by 2010, to year 1990 levels by 2020, and to 80 percent below 1990 levels by 2050.

Assembly Bill (AB) 32, the California Global Warming Solutions Act of 2006 (California Health and Safety Code §38501) establishes a State goal of reducing GHG emissions to 1990 levels by the year 2020. On September 8, 2016, the Governor signed Senate Bill (SB) 32 to codify the GHG reduction goals of EO B-30-15, requiring the State to reduce GHG emissions by 40 percent below 1990 levels by 2030 (Health and Safety Code Section 38566). This goal is expected to keep the State on track to meeting the goal set by EO S-3-05 of reducing GHG emissions by 80 percent below 1990 levels by 2050.

Orange County has not formally adopted a quantitative GHG emissions significance criterion to date. In October 2008, the SCAQMD released a *Draft Guidance Document – Interim CEQA Greenhouse Gas Significance Threshold*<sup>1</sup> (Draft Guidance Document) that suggested a tiered approach to analyzing GHG emissions in a project level analysis. In the Draft Guidance Document, the SCAQMD provided numerical thresholds that can be applied to smaller projects (like the proposed Project). The interim GHG significance threshold is 3,000 metric tons (MT) of CO<sub>2</sub>e per year for all residential and commercial land uses under CEQA. If the project emissions are less than the applicable numerical threshold, then the project's effects related to GHG emissions would be less than significant and the analysis is complete. This 3,000 MT CO<sub>2</sub>e per year threshold is selected by IRWD as appropriate for the proposed Project.

For the purpose of this technical analysis, the concept of CO<sub>2</sub>e is used to describe how much global warming a given type and amount of GHG may cause, using the functionally equivalent amount or concentration of CO<sub>2</sub> as the reference. Individual GHGs have varying global warming potentials and atmospheric lifetimes. CO<sub>2</sub>e is a consistent methodology for comparing GHG emissions because it normalizes various GHGs to the same metric. The GHG emissions estimates were calculated using CalEEMod. CalEEMod is an air quality modeling program that estimates air pollution emissions in pounds per day or tons per year for various land uses, area sources, construction projects, and project operations. Mitigation measures can also be specified to analyze the effects of mitigation on Project emissions.

#### 4.8.2 Impact Analysis

*a) Would the Project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?*

Construction and operation of the proposed Project would generate GHG emissions, with the majority of energy consumption (and associated generation of GHG emissions) occurring during the Project's construction period (as opposed to its operation). Operational emissions would be minimal due to the Project's automated equipment, which allows for remote operation.

<sup>1</sup> South Coast Air Quality Management District. 2008a. *Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold*. October. Website: [http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-\(ghg\)-ceqa-significance-thresholds/ghgattachmente.pdf](http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgattachmente.pdf) (accessed December 2020).

**Construction Emissions.** Construction activities, such as site preparation, excavation, on-site heavy-duty construction vehicles, equipment hauling materials to and from the site, and motor vehicles transporting the construction crew would produce combustion emissions from various sources. During construction of the proposed Project, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically uses fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O. Furthermore, CH<sub>4</sub> is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

The SCAQMD does not have an adopted threshold of significance for construction-related GHG emissions. However, lead agencies are required to quantify and disclose GHG emissions that would occur during construction. The SCAQMD then requires the construction GHG emissions to be amortized over the life of the Project (defined as 30 years), added to the operational emissions, and compared to the applicable interim GHG significance threshold tier.

Construction activities produce combustion emissions from various sources, such as site grading, utility engines, on-site heavy-duty construction vehicles, equipment hauling materials to and from the site, asphalt paving, and motor vehicles transporting the construction crew. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change. The construction GHG emission estimates are shown in Table 4.8.A.

**Table 4.8.A: Construction Greenhouse Gas Emissions**

Construction Phase	Greenhouse Gas Emissions, CO <sub>2</sub> e (Metric Tons)
Demolition 2021	2.85
Site Preparation 2021	4.55
Grading 2021	15.49
Building Construction 2021	75.32
Building Construction 2022	11.56
Paving 2022	8.34
Architectural Coating 2022	0.69
Intertie Trenching	18.95
Demolition 2022	11.38
<b>Total Project Emissions</b>	<b>149.14</b>
<b>Total Construction Emissions Amortized over 30 years</b>	<b>4.97</b>

Source: Compiled by LSA Associates, Inc. (December 2020).

Note: Numbers may appear to sum incorrectly due to rounding.

CO<sub>2</sub>e = carbon dioxide equivalent

As indicated in Table 4.8.A, Project construction would result in total emissions of 149.14 MT CO<sub>2</sub>e, which would be amortized to 4.97 MT CO<sub>2</sub>e per year over the 30-year life of the project.

**Operational Emissions.** Long-term operation of the Project would generate GHG emissions from mobile, area, and water sources as well as indirect emissions from sources associated with energy consumption. Mobile-source GHG emissions would include Project-generated vehicle trips. Area-source emissions would be associated with activities such as landscaping, routine maintenance, and occasional running of the emergency generator. Energy source emissions would be generated by



off-site utility providers as the demand for electricity remains reliable to ensure continuous water supply to IRWD. In addition, water source emissions associated with the proposed Project are generated by water supply and conveyance, water treatment, and water distribution. GHG emissions associated with the proposed Project were estimated using the latest version of CalEEMod. Model output sheets are included in Appendix A.

Once operational, the proposed Project would generate minimal long-term regional GHG emissions associated with the limited vehicular traffic and other minimal sources. The on-site emissions generated by the Project would be a result of maintenance and the occasional testing of the emergency standby generator. The proposed Project would result in an increase of 30.57 MT CO<sub>2</sub>e per year, which is below the SCAQMD's annual threshold of 3,000 MT CO<sub>2</sub>e. Therefore, the project would not generate substantial GHG emissions, either directly or indirectly, that may have a significant impact on the environment. This impact would be less than significant and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*b) Would the Project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?*

The California Climate Action Team and CARB have developed several reports to achieve the State's GHG targets that rely on voluntary actions of California businesses, local government and community groups, and State incentive and regulatory programs. The CARB released the First Update to the Climate Change Scoping Plan. The report identifies strategies to reduce California's emissions to the levels proposed in EO S-3-05 and AB 32. The CARB released a second update to the Scoping Plan, the 2017 Scoping Plan, to reflect the target of 40 percent below 1990 levels by 2030, as set by EO B-30-15 and codified by SB 32.

The adopted Scoping Plan includes proposed GHG reductions from direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, and market-based mechanisms such as cap-and-trade systems.

The City of Lake Forest City Council adopted the 2040 General Plan<sup>1</sup> in June of 2020. The General Plan addresses the City's blueprints for growth and improvements such as traffic patterns, housing, and resource conservation. Air quality and GHGs are addressed in the Resource Conservation Element, including the adopted policies for reduction of carbon emissions, and transportation reduction for improved air quality and decreasing GHG emissions. The 2040 General Plan outlines the goals and policies set forth to reduce GHGs in accordance with statewide targets. The goals include reducing the citywide vehicle miles traveled per capita through improved planning, transportation networks, and infrastructure design. Planning would coordinate efforts with the SCAQMD, SCAG, and CARB to meet local and regional air quality standards and ensure attainment of established goals.

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<sup>1</sup> City of Lake Forest. 2020a. City of Lake Forest 2040 General Plan. June.



The proposed Project would be consistent with the City's 2040 General Plan measures implemented to enhance energy efficiency of the new Zone B to C Pump Station, which in turn would reduce GHG emissions. Using methods to decrease future energy dependency, the Project is consistent with the goals and policies contained in the 2040 General Plan. The methods and equipment being implemented meet and exceed the AB 32 reduction goals, aligning with IRWD's plan for energy efficiency and sustainability. Similarly, the proposed Project supports the GHG reduction goals of SB 32, EO S-3-05, and EO B-30-15. The proposed Project would not conflict with any applicable plans, policies, or regulations adopted for the purpose of reducing GHG emissions. Therefore, the Project would result in a less than significant impact.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

## 4.9 HAZARDS AND HAZARDOUS MATERIALS

<i>Would the project:</i>		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b)	Create a significant hazard to the public or the environment through reasonable foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c)	Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d)	Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e)	For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f)	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g)	Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### 4.9.1 Impact Analysis

*a) Would the Project create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials?*

Hazardous materials are chemicals that could potentially cause harm during an accidental release or mishap and are defined as being toxic, corrosive, flammable, reactive, and irritant, or a strong sensitizer.<sup>1</sup> Hazardous substances include all chemicals regulated under the United States Department of Transportation (USDOT) “hazardous materials” regulations and the EPA “hazardous waste” regulations. Hazardous wastes require special handling and disposal because of their potential to damage public health and the environment. The probable frequency and severity of consequences from the routine transport, use, or disposal of hazardous materials is affected by the type of substance, the quantity used or managed, and the nature of the activities and operations.

Construction activities associated with the proposed Project would use a limited amount of hazardous and flammable substances (e.g., oils) during heavy equipment operation for site

<sup>1</sup> A “sensitizer” is a chemical that can cause a substantial proportion of people or animals to develop an allergic reaction in normal tissue after repeated exposure to a chemical.

excavation and construction. Potentially hazardous substances such as chemical agents, solvents, and paints would also be used during construction. However, the amount of hazardous chemicals present during construction is limited and would be in compliance with existing government regulations. In addition, the potential for the release of hazardous materials during Project construction is low. Even if a release would occur, it would not result in a significant hazard to the public, surrounding land uses, or environment due to the small quantities of these materials associated with construction vehicles; therefore, no mitigation is required.

The proposed Project includes the operation and maintenance of a pump station, the removal of the existing pump station, and the installation of a proposed intertie. Operation of the proposed pump station would include the use of common hazardous materials including, but not limited to, lubricants and cooling fluids. Therefore, in addition to maintenance and custodial supplies, Project operation may include the routine use of hazardous materials typical of pump stations that, when used correctly and in compliance with existing laws and regulations, would not result in significant hazards to workers in the vicinity of the proposed Project. Use of hazardous materials by businesses is regulated by California Certified Unified Program Agency (CUPA) programs (California Health and Safety Code Chapter 6.11). CUPA programs include Hazardous Materials Business Plan (HMBP) requirements, hazardous waste generator requirements, underground and aboveground storage tank requirements, and the California Accidental Release Prevention (CalARP) Program. These existing programs would ensure protection of human health and the environment during operation of the proposed Project. Impacts would be less than significant, and no mitigation is required.

Therefore, impacts associated with the disposal of hazardous materials and/or the potential release of hazardous materials that could occur with the implementation of the proposed Project are considered less than significant, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*b) Would the Project create a significant hazard to the public or the environment through reasonable foreseeable upset and accident conditions involving the release of hazardous materials into the environment?*

As previously stated in Response 4.9 (a), construction activities would involve the use of chemical agents, oils, solvents, paints, and other hazardous materials that are associated with construction activities. The amount of these chemicals present during construction is limited and would be in compliance with existing government regulations. Therefore, construction activities would not create a significant hazard to the public or the environment through reasonable foreseeable upset and accident conditions involving the release of hazardous materials into the environment. No mitigation is required.

The proposed Project would consist of a pump station that would be housed within a secured structure that would be operated from a remote location. Operation of the pump station would include the use of common hazardous material including, but not limited to, lubricants and cooling fluids. Therefore, in addition to maintenance and custodial supplies, Project operation may include the routine use of hazardous materials typical of pump stations that, when used correctly and in

compliance with existing laws and regulations, would not result in a significant hazard to the public or environment through upset or accidental release of hazardous materials into the environment. Use of hazardous materials by businesses is regulated by CUPA programs, which include HMBP requirements, hazardous waste generator requirements, underground and aboveground storage tank requirements, and CalARP. These existing programs would ensure protection of human health and the environment during operation of the proposed Project. Impacts would be less than significant, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*c) Would the Project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?*

The closest school to the Project site is New Thought Montessori Preschool, which is located approximately 0.3 mi southwest of the proposed pump station. There are no proposed schools within 0.25 mi of the Project site. Due to the nature of the Project as a pump station, the Project is not of the type to emit hazardous emissions or handle hazardous or acutely hazardous materials or substances, as described above in Responses 4.9(a) and 4.9(b). Furthermore, because there are no existing or proposed schools within 0.25 mi of the Project site, there would be no significant impact, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*d) Would the Project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?*

A search of available environmental records documenting hazardous materials sites compiled pursuant to Government Code Section 65962.5 for the Project site and properties up to 1.0 mi away from the Project site was conducted on December 10, 2020 using the Environmental Data Resources, Inc. (EDR) Radius Map Report<sup>1</sup> (Appendix E). According to the EDR report, several properties surrounding the Project site are listed in various environmental databases. Within 0.21 mi of the Project site, the EDR Report identified one Resource Conservation and Recovery Act (RCRA) Large Quantity Generator (LQG) site. Within 0.25 mi of the Project site, the EDR Report identified two RCRA Small Quantity Generator (SQG) sites, four underground storage tank (UST) sites, 10 California Environmental Reporting System (CERS) Hazardous Waste sites, 3 Statewide Environmental Evaluation and Planning System (SWEEPS) UST sites, 2 CERS Tanks sites, 1 California Facility Inventory Database (FID) UST site, 11 RCRA non-generator (NonGen/NLR) sites, and 2 drycleaner sites. Within 0.5 mi of the Project site, the EDR Report identified four Leaking Underground Storage Tank (LUST) sites, 3 Cortese Sites, and one Hazardous Waste and Substance Sites List (HIST CORTESE) site.

<sup>1</sup> Environmental Data Resources, Inc. (EDR). 2020. EDR Radius Map Report with Geocode for Lake Forest Zone B to C Pump Station. December 10.

Although there are hazardous waste sites listed within the surrounding vicinity of the proposed Project, the Project site is not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. Since the Project would not be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and would not create a significant hazard to the public or the environment, impacts would be less than significant and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?*

The proposed Project is not located within an airport land use plan or within 2 mi of a public airport or public use airport. The nearest public airport is the John Wayne Airport at 18601 Airport Way, which is located approximately 11.5 mi northwest of the Project site. As a result, impacts associated with safety hazards or noise for people working in a project area that is less than 2 mi from a public airport would be less than significant. No mitigation would be required.

**Significance Determination:** No Impact

**Mitigation Measures:** No mitigation is required.

*f) Would the Project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?*

The Orange County Fire Authority (OCFA) is responsible for providing fire protection and suppression, inspection services, paramedic emergency medical services, and hazardous material response to citizens and visitors to Lake Forest. Roads used as response corridors/evacuation routes usually follow the most direct path to or from various parts of a community. For the Project site and the surrounding areas, the main corridors anticipated to be used by emergency services providers are Lake Forest Drive, SR-241, Portola Parkway, Regency Lane, Santa Margarita Parkway, and other arterials and freeways in this part of Lake Forest.

**Construction.** The proposed Project would require temporary lane and sidewalk closures on Portola Parkway to allow construction of the intertie. Temporary lane closures would be implemented consistent with the recommendations of the current California Temporary Traffic Control Handbook (CATTCH) (previously known as the California Joint Utility Traffic Control Manual). The CATTCH provides basic standards for the safe movement of all road users (including emergency responders) through construction zones in accordance with Section 21400 of the California Vehicle Code and the California Manual on Uniform Traffic Control Devices. Mitigation Measure TRA-1 requires that the preparation of a Construction Traffic Management Plan (CTMP) based on the recommendations of the CATTCH. The CTMP would further ensure that the proposed Project would not inhibit emergency response plan or an emergency evacuation plan. Adherence to applicable emergency access codes and ordinances and Mitigation Measure TRA-1 would ensure that construction and operation of the proposed Project would not impair implementation of or physically interfere with

an adopted emergency response plan or emergency evacuation plan. With incorporation of Mitigation Measure TRA-1, the Project would have a less than significant impact.

**Operation.** As described in Section 2.7.2, access to the Project site would not change as part of the proposed Project. Access to the new pump station is provided via Lake Forest Drive. Site access for the existing pump station is controlled by a gate located on the access road near its intersection with Regency Lane, and site access for the proposed intertie is provided via Portola Parkway. Since the Project would not change the existing configuration of the Project site, emergency access to the site would not be affected. The proposed Project would be required to comply with all applicable codes and ordinances for emergency vehicle access, which would ensure adequate access to, from, and on site for emergency vehicles. Further, the proposed Project would not reconfigure any existing roadways, result in road closures during operation of the Project, or include features that would otherwise hinder emergency response or evacuation. Therefore, operation of the proposed Project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Potential Project impacts would be less than significant, and no mitigation would be required.

**Significance Determination:** Less Than Significant with Mitigation Incorporated

**Mitigation Measures:** Refer to Mitigation Measure TRA-1.

*g) Would the Project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?*

According to the Lake Forest Very High Fire Hazard Severity Zones (VHFHSZs) in the Local Responsibility Area (LRA)<sup>1</sup> map, the Project site is located within a non-VHFHSZ LRA.<sup>2</sup> The proposed Project includes the construction of one building for the proposed pump station. Additionally, operation of the proposed Project would be conducted remotely. Project construction and operation would not change the characteristics of the Project site in a way that would make the Project site more susceptible to wildland fires. Therefore, the proposed Project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires. No mitigation is required.

**Significance Determination:** No Impact

**Mitigation Measures:** No mitigation is required.

<sup>1</sup> An LRA is defined as land on which neither the state nor the federal government has the legal responsibility of providing fire protection.

<sup>2</sup> California Department of Forestry and Fire Protection (CAL FIRE), Fire and Resource Assessment Program. 2011. Lake Forest Very High Fire Hazard Severity Zones in LRA as Recommended by CAL FIRE. October.

## 4.10 HYDROLOGY AND WATER QUALITY

		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<i>Would the project:</i>					
a)	Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality or otherwise substantially degrade surface or ground water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b)	Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c)	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i)	Result in substantial erosion or siltation on- or off-site;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii)	Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii)	Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff; or	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv)	Impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d)	In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e)	Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### 4.10.1 Impact Analysis

*a) Would the Project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality or otherwise substantially degrade surface or ground water quality?*

Pollutants of concern during construction include sediments, trash, petroleum products, concrete waste (dry and wet), sanitary waste, and chemicals. Each of these pollutants on its own or in combination with other pollutants can have a detrimental effect on water quality. During construction activities, excavated soil would be exposed, and there would be an increased potential for soil erosion and sedimentation compared to existing conditions. In addition, chemicals, liquid products, petroleum products (for example, paints, solvents, and fuels), and concrete-related waste may be spilled or leaked and have the potential to be transported via storm runoff into receiving waters. As stated in the Preliminary Design Report (PDR),<sup>1</sup> because construction of the Project would disturb less than 1 ac of soil, the Project is not subject to the requirements of the SWRCB

<sup>1</sup> Stantec. 2020. Lake Forest Zone B to C Recycled Water Pump Station Preliminary Design Report (PDR). November 23.



(Construction General Permit). Because of the small amount of ground disturbance during construction, Project construction activities have a low potential to impact water quality. Therefore, Project construction would not violate any water quality standards or waste discharge requirements or substantially degrade surface water quality.

According to the Draft Geotechnical Study<sup>1</sup> prepared for the project, two exploratory borings were drilled to depths of 51.5 ft and 47 ft bgs at the proposed pump station site. Groundwater was encountered during the drilling of both borings, at 40 ft and 46.5 ft bgs, respectively. However, based on the maximum depth of excavation for the proposed pump station at 3 ft bgs, it is not anticipated that the groundwater table would be encountered at the proposed pump station site. Additionally, although excavation for the proposed intertie would extend to 6 ft bgs, the proposed intertie is not located within a designated groundwater basin. No excavation is proposed at the site for the removal of the existing pump station. Furthermore, based on the depth of groundwater and depths of excavation, it is unlikely that groundwater would be encountered during excavation activities, and groundwater dewatering would not be required during construction. Therefore, construction activities do not have the potential to directly impact groundwater quality.

Infiltration of storm water can have the potential to affect groundwater quality in areas of shallow groundwater. As discussed above, groundwater was encountered during exploratory borings at depths of 40 ft and 46.5 ft bgs. Pollutants in storm water are generally removed by soil through absorption as water infiltrates. Therefore, in areas of deep groundwater, there is more absorption potential and, as a result, less potential for pollutants to reach groundwater. Therefore, due to the depth to groundwater, it is not expected that any storm water that may infiltrate during construction or operation would affect groundwater quality because there is not a direct path for pollutants to reach groundwater.

The proposed pump station and the existing pump station (to be removed) are located within the jurisdiction of the Santa Ana Regional Water Quality Control Board (RWQCB). The proposed intertie is located within the jurisdiction of the San Diego RWQCB. During operation, pollutants of concern would be limited to those associated with vehicle operation (e.g., oil and grease). Pollutants from vehicles accessing the Project site would be minimal because of the limited traffic to and from the site. The Project would increase impervious surface area on the proposed pump station site by approximately 0.33 ac (14,375 square feet [sf]), which would increase the volume of runoff during a storm, and more effectively transport pollutants to receiving waters. Based on modeling results completed for IRWD, storm water runoff from the proposed pump station that is equivalent to 10-year storm flows will be captured on site and discharged to IRWD's sanitary sewer system. For 25-year and 100-year storm events, storm water runoff will drain from the proposed pump station site to the existing curb and gutter on Lake Forest Drive via overland flow, and will discharge to the City's existing storm drain system. Because the proposed Project is a significant redevelopment project that creates 5,000 sf or more of impervious surface, the proposed Project would comply with the requirements of the North Orange County Municipal Separate Storm Sewer System (MS4) Permit. The design of the proposed Project shall include Source Control and Low Impact Development (LID) Best Management Practices (BMPs) that would capture and retain storm water and target and remove pollutants of concern to reduce impacts to water quality during operation of the Project. In

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<sup>1</sup> Kleinfelder. 2020. Draft Geotechnical Study. April 15.



compliance with the North Orange County MS4 Permit and implementation of BMPs, the proposed Project would not violate any water quality standards or waste discharge requirements or substantially degrade surface water quality during operation. Therefore, construction and operational impacts related to violation of water quality standards or waste discharge requirements would be less than significant, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*b) Would the Project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?*

As discussed above in Response 4.10(a), groundwater was encountered during exploratory borings at depths of 40 ft and 46.5 ft bgs. Based on the depth of groundwater and depth of excavation, excavation activities are unlikely to encounter groundwater during construction. The Project would increase the total amount of impervious surface area on site by approximately 0.33 ac, which could result in a minimal decrease in on-site infiltration. However, due to the depth to groundwater, it is unlikely that groundwater recharge from storm water infiltration currently occurs on the Project site. Regardless, any decrease in infiltration at the proposed pump station site would be minimal in comparison to the size of the Coastal Plain of Orange County Groundwater Basin, which underlies the proposed pump station site and has a storage capacity of 38,000,000 acre-feet.<sup>1</sup> As the proposed intertie is not located within a designated groundwater basin and is not located on land designated for groundwater recharge, the proposed intertie would not substantially decrease groundwater supplies or interfere with groundwater recharge. Additionally, because no excavation would occur at the site for the removal of the existing pump station, the decommissioning of the existing pump station does not have the potential to affect groundwater supplies or interfere with groundwater recharge. Furthermore, Project operation would not include groundwater extraction. For these reasons, a less than significant impact related to depletion of groundwater supplies or interference with groundwater recharge during project operation would occur, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required

*c) Would the Project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:*

*i) Result in substantial erosion or siltation on- or off-site?*

During construction activities, soil would be exposed and disturbed, drainage patterns would be temporarily altered during grading and other construction activities, and there could be an

<sup>1</sup> California Department of Water Resources (DWR). 2004. Bulletin 118, Coastal Plain of Orange County Groundwater Basin. February 27.

increased potential for soil erosion and siltation compared to existing conditions. Additionally, during a storm event, soil erosion and siltation may occur at an accelerated rate. However, as discussed above in Response 4.10(a), because of the small amount of ground disturbance during construction, Project construction activities have a low potential to result in substantial erosion or siltation that would negatively impact water quality. Therefore, construction impacts related to on- or off-site erosion or siltation would be less than significant, and no mitigation is required.

During operation, the proposed Project would generally maintain the existing drainage pattern on the Project site. As discussed in Response 4.10(a), the proposed Project would slightly increase the total impervious surface area on the Project site by approximately 0.33 ac, which would increase on-site storm water flows. Increases in on-site runoff could lead to downstream erosion. However, as discussed in Response 4.10(a), BMPs will be implemented in compliance with the North Orange County MS4 Permit. These BMPs will be designed to capture storm water runoff to reduce runoff volume and velocity for the 25-year and 100-year storm events in compliance with the requirements of the North Orange County MS4 Permit. Additionally, although the proposed Project would increase impervious surface area, impervious surface areas associated with the development of the Project site are not prone to erosion or siltation, because no loose soil would be included in these areas. Therefore, because the proposed Project would not substantially change the storm water runoff from the Project site, the proposed Project would not contribute to downstream erosion or siltation. As such, operational impacts related to on-site or off-site erosion or siltation would be less than significant, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*ii) Would the Project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?*

During construction activities, soil would be compacted and drainage patterns would be temporarily altered during grading and other construction activities. However, because of the small amount of ground disturbance during construction, any increase in flooding resulting from the drainage alterations would be minimal. In addition, construction activities would be temporary, and much of the disturbed ground would be restored during operation. Therefore, construction impacts related to on- or off-site flooding would be less than significant, and no mitigation is required.

Although the proposed Project would increase the amount of impervious surface at the Project site by approximately 0.33 ac, the proposed Project would not substantially alter the existing on-site drainage patterns. However, the increase in impervious surface area would slightly increase storm water runoff compared to existing conditions. As discussed in Response 4.10 (c)(i), the proposed Project would include BMPs to capture storm water runoff to reduce runoff volume and velocity for the 25-year and 100-year storm events. Therefore, the proposed Project would not exceed the capacity of the downstream storm drain system or result in off-site flooding. In addition, BMPs and on-site storm drain facilities included in the design of the proposed Project would be sized to accommodate storm water runoff from the Project site so that on-site flooding would not occur.

Therefore, the addition of 0.33 ac of impervious surfaces at the Project site would not result in on- or off-site flooding. As such, operational impacts related to on- or off-site flooding would be less than significant, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*iii) Would the Project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff?*

As discussed previously, construction of the proposed Project has the potential to introduce pollutants to the storm drainage system from erosion, siltation, and accidental spills. However, as discussed above in Response 4.10(a), because of the small amount of ground disturbance during construction, Project construction activities have a low potential to impact water quality and would not result in a substantial increase in the rate or amount of storm water runoff. Therefore, Project construction would not exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff.

As discussed previously, the proposed Project would generally maintain the existing drainage pattern on the Project site during operation. In addition, the proposed Project would increase the impervious surface area compared to existing conditions that would increase the volume of storm water runoff and more effectively transport pollutants to receiving waters. However, as described in Response 4.10(c)(ii) above, the proposed Project would increase the impervious surface area compared to existing conditions, which would increase the volume of storm water runoff and more effectively transport pollutants to receiving waters. However, the proposed Project would include BMPs to target and remove pollutants of concern and capture storm water runoff to reduce runoff volume and velocity for the 25-year and 100-year storm events. Further, the proposed Project would not exceed the capacity of existing or planned sewer systems for the 10-year storm event. Storm water runoff discharged to the sanitary sewer system would ultimately be conveyed and treated at IRWD's Los Alisos Water Recycling Plant. Additionally, the project would result in minimal new source pollutants in storm water runoff (e.g., limited to pollutants from vehicles accessing the Project site for routine maintenance and to periodically check on facilities). Therefore, Project operation would not substantially increase the amount of pollutants transported by storm water runoff to receiving waters. Therefore, impacts related to the creation or contribution of storm water runoff that would exceed the capacity of existing or planned storm water drainage systems or the provision of substantial additional sources of polluted runoff would be less than significant and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

- iv) Would the Project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would impede or redirect flood flows?*

According to Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Nos. 06059C0316J and 06059c0317J, the Project site is located within Zone X, Area of Minimal Flood Hazard. Because the Project would not place improvements or structures directly within a 100-year floodplain, the project would not impede or redirect flood flows. Therefore, no impact would occur related to impeding or redirecting of flood flows, and no mitigation is required.

**Significance Determination:** No Impact

**Mitigation Measures:** No mitigation is required.

- d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?*

As discussed in Response 4.10(c)(iv), the Project site is located within Zone X, Area of Minimal Flood Hazard. Additionally, the Project site is not within a direct dam inundation zone.<sup>1</sup> Therefore, the Project site is not subject to inundation from flooding, and there is no risk of release of pollutants due to inundation from flooding. No mitigation is required.

Tsunamis are generated ocean wave trains generally caused by tectonic displacement of the seafloor associated with shallow earthquakes, seafloor landslides, rockfalls, and exploding volcanic islands. The Project site is located approximately 11 mi from the ocean shoreline. In addition, according to the Tsunami Inundation Map for Emergency Planning, the Project site is not in a tsunami inundation area. Therefore, there is no risk of release of pollutants due to a tsunami. No mitigation is required.

Seiching occurs when seismic ground shaking induces standing waves (seiches) inside water retention facilities (e.g., reservoirs and lakes). Such waves can cause retention structures to fail and flood downstream properties. The existing pump station (to be removed) is located near the IRWD Zone B East Reservoir; however, the pump station is being removed as part of the proposed Project and no impacts would occur should the site be flooded. In addition, although the Upper Oso Reservoir is located approximately 1.2 mi east of the proposed intertie, the Project site is not within the inundation pathway of the Upper Oso Reservoir. As stated in Section 4.9, Hazards and Hazardous Materials, potentially hazardous substances such as chemical agents, solvents, and paints would be used during construction. Operation of the pump station would include the use of common hazardous materials including, but not limited to, lubricants and cooling fluids. Potentially hazardous materials from routine project maintenance may also be used during operation of the proposed Project. However, the amount of these chemicals present during Project construction and operation would be limited and would be in compliance with existing government regulations. Therefore, in the unlikely event of inundation from a seiche, the proposed Project would not

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<sup>1</sup> California Department of Water Resources, Division of Safety of Dams. 2020. California Dam Breach Inundation Maps. Website: [https://fmds.water.ca.gov/webgis/?appid=dam\\_prototype\\_v2](https://fmds.water.ca.gov/webgis/?appid=dam_prototype_v2) (accessed December 10, 2020).

substantially increase the risk of release of pollutants due to inundation from seiche, and impacts would be less than significant. No mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?*

The Project is within the jurisdiction of the Santa Ana RWQCB and the San Diego RWQCB. The Santa Ana RWQCB adopted a Water Quality Control Plan (i.e., Basin Plan) (January 1995, with amendments effective on or before February 2016) and the San Diego RWQCB adopted a Water Quality Control Plan (i.e., Basin Plan) (September 1994, with amendments effective on or before May 2016) that designates beneficial uses for all surface and groundwater within their jurisdiction and establishes the water quality objectives and standards necessary to protect those beneficial uses. As discussed in Response 4.10(a), because of the small amount of ground disturbance during construction, project construction has a low potential to impact water quality. Because the Project would only slightly increase the total impervious surface area on the Project site, storm water runoff during operation would remain similar to existing conditions. Additionally, the design of the proposed Project would include Source Control and LID BMPs to capture and retain storm water and target and remove pollutants of concern to reduce impacts to water quality during operation of the Project. As such, the proposed Project would not result in water quality impacts that would conflict with the Basin Plan. Impacts conflicting with a Water Quality Control Plan would be less than significant and no mitigation is required.

The Sustainable Groundwater Management Act (SGMA) was enacted in September 2014. The SGMA requires governments and water agencies of high- and medium-priority basins to halt overdraft of groundwater basins. Specifically, SGMA requires the formation of local Groundwater Sustainability Agencies (GSAs), which are required to adopt Groundwater Sustainability Plans (GSPs), or an approved alternative to a GSP, to manage the sustainability of groundwater basins in California. The Project site is located within the Coastal Plain of the Orange County Groundwater Basin, which is managed by the Orange County Water District (OCWD). The Coastal Plain is identified by the Department of Water Resources as a medium-priority basin;<sup>1</sup> therefore, development of a GSP or an approved GSP alternative is required. In lieu of a GSP, OCWD, IRWD, and the City of La Habra developed the Basin 8-1 Alternative, which establishes objectives and criteria for groundwater management within the Coastal Plain of the Orange County Groundwater Basin, and is designed to be functionally equivalent to a GSP.<sup>2</sup> As described in Responses 4.10(a) and 4.10(b), due to the depth to groundwater and depth of excavation at the proposed pump station site, it is unlikely groundwater would be encountered during construction, and it is not expected that any storm water that may infiltrate during construction or operation would affect groundwater quality because there is not a direct path for pollutants to reach groundwater. Furthermore, any decrease in

<sup>1</sup> California Department of Water Resources (DWR). 2020. SGMA Basin Prioritization Dashboard, Groundwater Basins. Website: <https://gis.water.ca.gov/app/bp-dashboard/p2/> (accessed December 10, 2020).

<sup>2</sup> Orange County Water District. 2017. *Basin 8-1 Alternative*. January 1.

infiltration at the proposed pump station site would be minimal in comparison to the size of the Coastal Plain of Orange County Groundwater Basin. Additionally, because no excavation is proposed at the site for the removal of the existing pump station and the proposed intertie is not located within a designated groundwater basin, the removal of the existing pump station and proposed intertie would not affect groundwater quality. Therefore, the project would not conflict with or obstruct the implementation of the Basin 8-1 Alternative, which is functionally equivalent to a sustainable groundwater management plan, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

## 4.11 LAND USE AND PLANNING

<i>Would the project:</i>		Less Than Significant			
		Potentially Significant Impact	With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b)	Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### 4.11.1 Impact Analysis

#### a) *Would the Project physically divide an established community?*

The proposed pump station site and site of the existing pump station (to be removed) are located within areas owned and operated by IRWD. In general, the proposed pump station and existing pump station (to be removed) are surrounded by existing commercial development and open space use. The proposed intertie would be located underground, and therefore would not divide an established community. Given the existing urbanized setting, the proposed Project would not physically divide an established community, and no impact would occur. No mitigation is required.

**Significance Determination:** No Impact  
**Mitigation Measures:** No mitigation is required.

#### b) *Would the Project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?*

The proposed pump station site is zoned General Business (C2) District. The existing pump station (to be removed) is zoned Open Space, and the proposed intertie is zoned Community Commercial (CC) District. Water facilities are not subject to city zoning regulations per Government Code 53091. The proposed Project does not propose changes to the land use or zoning designations of the site and would not require any variances. Therefore, the Project would not conflict with any applicable land use plan, policy, or regulation and no impact would occur.

**Significance Determination:** No Impact  
**Mitigation Measures:** No mitigation is required.



**4.12 MINERAL RESOURCES**

<i>Would the project:</i>		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b)	Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**4.12.1 Impact Analysis**

*a) Would the Project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?*

In 1975, the California Legislature enacted the Surface Mining and Reclamation Act (SMARA), which, among other things, provided guidelines for the classification and designation of mineral lands. Areas are classified on the basis of geologic factors without regard to existing land use and land ownership. The areas are categorized into four Mineral Resource Zones (MRZs):

- **MRZ-1:** An area where adequate information indicates that no significant mineral deposits are present, or where it is judged that little likelihood exists for their presence.
- **MRZ-2:** An area where adequate information indicates that significant mineral deposits are present, or where it is judged that a high likelihood exists for their presence.
- **MRZ-3:** An area containing mineral deposits, the significance of which cannot be evaluated.
- **MRZ-4:** An area where available information is inadequate for assignment to any other MRZ.

Of the four categories, lands classified as MRZ-2 are of the greatest importance. Such areas are underlain by demonstrated mineral resources or are located where geologic data indicate that significant measured or indicated resources are present. MRZ-2 areas are designated by the Mining and Geology Board as being “regionally significant”. Such designations require that a Lead Agency’s land use decisions involving designated areas be made in accordance with its mineral resource management policies and that it consider the importance of the mineral resource to the region or the State as a whole, not just to the Lead Agency’s jurisdiction.

According to California Department of Conservation, Division of Mines and Geology, the proposed pump station site, the existing pump station (to be removed), and the proposed intertie site are located within MRZ-3 (areas containing mineral deposits of undetermined significance).<sup>1</sup> Implementation of the proposed Project would not result in the loss of availability of known mineral

<sup>1</sup> California Department of Conservation, Division of Mines and Geology. 1995. Generalized Mineral Land Classification of Orange County, California.



resources or a locally important mineral resource recovery site. No impact would occur, and no mitigation is required.

**Significance Determination:** No Impact

**Mitigation Measures:** No mitigation is required.

*b) Would the Project result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?*

As stated in Response 4.12(a), no known valuable mineral resources exist on or near the Project site. In addition, the Project site is not identified on a local General Plan, Specific Plan, or other land use plan as a location of a locally important mineral resource. The proposed Project would not result in the loss of a locally important mineral resource recovery site. Therefore, no significant impacts related to mineral resources would result from Project implementation, and no mitigation is required.

**Significance Determination:** No Impact

**Mitigation Measures:** No mitigation is required.

**4.13 NOISE**

<i>Would the project result in:</i>		Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b)	Generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c)	For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**4.13.1 Technical Background**

The discussion and analysis provided in this section describes the potential short-term construction noise and vibration impacts associated with the proposed Project, as well as long-term operational noise impacts.

The following provides an overview of the characteristics of sound and vibration as well as the regulatory framework that applies to noise and vibration in the vicinity of the Project site.

**Characteristics of Sound.** Noise is usually defined as unwanted sound. Noise consists of any sound that may produce physiological or psychological damage and/or interfere with communication, work, rest, recreation, or sleep.

Several noise measurement scales exist that are used to describe noise in a particular location. A decibel is a unit of measurement that indicates the relative intensity of a sound. Sound levels in decibels are calculated on a logarithmic basis. An increase of 10 decibels (dB) represents a tenfold increase in acoustic energy, while 20 dB is 100 times more intense, and 30 dB is 1,000 times more intense. Each 10 dB increase in sound level is perceived as approximately a doubling of loudness; similarly, each 10 dB decrease in sound level is perceived as half as loud.

A-weighted decibels (dBA) are an expression of the relative loudness of sounds in air as perceived by the human ear. That is, an A-weighted noise level de-emphasizes low and very high frequencies of sound similar to the human ear’s de-emphasis of these frequencies. Unlike linear units (e.g., inches or pounds), decibels are measured on a logarithmic scale representing points on a sharply rising curve.

As noise spreads from a source, it loses energy; therefore, the farther away the noise receiver is from the noise source, the lower the perceived noise level would be. Geometric spreading causes

the sound level to attenuate or be reduced, resulting in a 6 dB reduction in the noise level for each doubling of distance from a single point source of noise to the noise-sensitive receptor of concern.

There are many ways to rate noise for various time periods, but an appropriate rating of ambient noise affecting humans also accounts for the annoying effects of sound. The equivalent continuous sound level ( $L_{eq}$ ) is the total sound energy of time-varying noise over a sample period. However, the predominant rating scales for human communities in the State of California are the  $L_{eq}$ , the Community Noise Equivalent Level (CNEL), and the day-night average level ( $L_{dn}$ ) based on A-weighted decibels. CNEL is the time-varying noise over a 24-hour period, with a 5 dBA weighting factor applied to the hourly  $L_{eq}$  for noise occurring from 7:00 p.m. to 10:00 p.m. (defined as relaxation hours) and a 10 dBA weighting factor applied to noise occurring from 10:00 p.m. to 7:00 a.m. (defined as sleeping hours).  $L_{dn}$  is similar to the CNEL scale, but without the adjustment for events occurring during the evening relaxation hours. CNEL and  $L_{dn}$  are within 1 dBA of each other and are normally interchangeable. The City uses the CNEL noise scale for long-term noise impact assessment.

**Characteristics of Vibration.** Vibration refers to ground-borne noise and perceptible motion. Ground-borne vibration is almost exclusively a concern inside buildings and is rarely perceived as a problem where the motion may be discernible, but there is less adverse reaction without the effects associated with the shaking of a building. Vibration energy propagates from a source through intervening soil and rock layers to the foundations of nearby buildings. The vibration then propagates from the foundation throughout the remainder of the structure. Building vibration may be perceived by occupants as motion of building surfaces, the rattling of items on shelves or hanging on walls, or a low-frequency rumbling noise, otherwise referred to as ground-borne noise. Typically, sources that have the potential to generate ground-borne noise are likely to produce airborne noise impacts that mask the radiated ground-borne noise. The rumbling noise is caused by the vibrating walls, floors, and ceilings radiating sound waves. Annoyance from vibration often occurs when the vibration exceeds the threshold of perception by 10 dB or less. This is an order of magnitude below the damage threshold for normal buildings.

Typical sources of ground-borne vibration are construction activities (e.g., blasting, pile driving, and operating heavy-duty earthmoving equipment) and occasional traffic on rough roads. Problems with ground-borne vibration and noise from these sources are usually localized to areas within approximately 100 ft of the vibration source, although there are examples of ground-borne vibration causing interference out to distances greater than 200 ft. When roadways are smooth, vibration from traffic, even heavy trucks, is rarely perceptible. For most projects, it is assumed that the roadway surface will be smooth enough that ground-borne vibration from street traffic will not exceed the impact criteria; however, construction of the Project could result in ground-borne vibration that could be perceptible and annoying.

Ground-borne vibration has the potential to disturb people as well as damage buildings. Ground-borne vibration is usually measured in terms of vibration velocity, either the root-mean-square (RMS) velocity or peak particle velocity (PPV). RMS is best for characterizing human response to building vibration, and PPV is used to characterize the potential for damage. Decibel notation acts to compress the range of numbers required to describe vibration. Vibration velocity level in decibels is defined as:

$$L_v = 20 \log_{10} [V/V_{ref}]$$

where  $L_v$  is the velocity in decibels (VdB), “ $V$ ” is the RMS velocity amplitude, and “ $V_{ref}$ ” is the reference velocity amplitude, or  $1 \times 10^{-6}$  inches per second used in the United States.

**Applicable Noise Standards.** The City regulates noise based on the criteria presented in the Noise Element of the General Plan as well as the Municipal Code. As discussed below, the City does not have adopted construction noise thresholds; therefore, Federal Transit Administration (FTA) criteria will be used to assess potential construction noise impacts.

**City of Lake Forest Noise Element of the General Plan.** The noise standards specified on Table PS-1 of the City’s General Plan Noise Element are used as a guideline to evaluate the acceptability of the noise levels at sensitive uses. These standards are for the assessment of long-term vehicular traffic noise impacts. The City has exterior noise criteria for outdoor living areas associated with single-family and multifamily residential uses such that exterior active-use areas should not exceed 60 dBA CNEL. Additionally, the City has exterior noise criteria for office uses and parks such that exterior activity areas should not exceed 65 dBA CNEL and 70 dBA CNEL, respectively.

**City of Lake Forest Municipal Code.** Section 11.16.040, Exterior Noise Standards, of the Municipal Code identifies a maximum permissible exterior ambient noise level for residential uses of no greater than 55 dBA during daytime hours (7:00 a.m. to 10:00 p.m.) and no greater than 50 dBA during nighttime hours (10:00 p.m. to 7:00 a.m.).

In order to properly assess the impact of events at the exterior living area that occur for periods of time less than 30 minutes within a given hour, Section 11.16.040 B provides the following additions based on duration:

1. The noise standard for a cumulative period of more than 30 minutes in any hour; or
2. The noise standard plus 5 dBA for a cumulative period of more than 15 minutes in any hour; or
3. The noise standard plus 10 dBA for a cumulative period of more than 5 minutes in any hour; or
4. The noise standard plus 15 dBA for a cumulative period of more than 1 minute in any hour; or
5. The noise standard plus 20 dBA for any period of time.

If the ambient noise level exceeds any of the first four noise limit categories above, the cumulative period applicable to said category shall be increased to reflect that ambient noise level. If the ambient noise level exceeds the fifth noise limit category, the maximum allowable noise level under the fifth category shall be increased to reflect the maximum ambient noise level.

In order to properly assess the impact of events in the interior living area that occur for periods of less than 30 minutes within a given hour, Section 11.16.050 B provides the following additions based on duration:

1. The noise standard for a cumulative period of more than 5 minutes in any hour; or
2. The noise standard plus 5 dBA for a cumulative period of more than 1 minute in any hour; or
3. The noise standard plus 10 dBA for any period of time.

In the event the ambient noise level exceeds either of the first two noise limit categories above, the cumulative period applicable to said category shall be increased to reflect that ambient noise level. In the event the ambient noise level exceeds the third noise limit category, the maximum allowable noise level under the third category shall be increased to reflect the maximum ambient noise level.

In regard to the regulation of construction noise impacts, the City's Municipal Code, Section 11.16.060 Exemptions, states the following activities shall be exempted from the provisions of this chapter:

*Part H. Noise sources associated with construction, repair, remodeling, or grading of any real property, provided said activities do not take place between the hours of 8:00 p.m. and 7:00 a.m. on weekdays, including Saturday, or at any time on Sunday or a legal City of Lake Forest holiday.*

Because the City's Municipal Code does not establish construction noise thresholds, for the purposes of analyzing significance under CEQA, the FTA's criteria<sup>1</sup> are used. The general assessment criteria for construction noise identifies a 1-hour noise level of 90 dBA  $L_{eq}$  for residential uses during daytime hours and a 1-hour noise level of 100 dBA  $L_{eq}$  for commercial and industrial uses. This provides reasonable criteria for assessing construction noise impacts based on the potential for adverse community reaction when the noise criteria are exceeded.

Additionally, the City's Noise Element and Municipal Code do not provide specific noise level requirements or vibration impact criteria associated with construction activities; therefore, the FTA criteria will be used in this analysis.

**Federal Transit Administration.** The Lake Forest Municipal Code exempts construction activities, and no standard criteria for assessing construction noise impacts are provided by the City. Therefore, for purposes of determining the significance of the noise increase experienced at noise-sensitive uses surrounding the project, the guidelines and noise criteria in the FTA *Transit Noise and Vibration Impact Assessment Manual (2018)* (FTA Manual) described above are used in this analysis for construction noise impact identification. These guidelines provide reasonable criteria for assessing construction noise impacts based on the potential for adverse community reaction when the noise criteria are exceeded.

The vibration impact criteria included in Table 6-6 of the FTA Manual are used in this analysis for ground-borne vibration impacts on human annoyance, as shown in Table 4.13.A. The criteria account for the sensitivity of the uses which may be affected, specifically those uses which have sensitive equipment.

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<sup>1</sup> Federal Transit Administration (FTA). 2018. *Transit Noise and Vibration Impact Assessment Manual*, FTA Report No. 0123. September.

**Table 4.13.A: Human Response to Different Levels of Ground-Borne Noise and Vibration**

Land Use Category	Maximum L <sub>v</sub> (VdB)	Description of Use
Workshop	90 VdB	Vibration that is distinctly felt. Appropriate for workshops and similar areas not as sensitive to vibration.
Office	84 VdB	Vibration that can be felt. Appropriate for offices and similar areas not as sensitive to vibration.
Residential (Daytime)	78 VdB	Vibration that is barely felt. Adequate for computer equipment and low power optical microscopes (up to 20X).
Residential (Nighttime), Operating Rooms	72 VdB	Vibration is not felt, but ground-borne noise may be audible inside quiet rooms. Suitable for medium-power optical microscopes (100X) and other equipment of low sensitivity.

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).

FTA = Federal Transit Administration

VdB = vibration velocity decibels

The criteria for potential building damage from ground-borne vibration and noise are based on the maximum levels for a single event. Table 4.13.B lists the potential vibration building damage criteria associated with construction activities, as suggested in the 2018 FTA Manual.<sup>1</sup> FTA guidelines show that a vibration level of up to 0.5 inches per second (in/sec) PPV<sup>2</sup> is considered safe for buildings consisting of reinforced concrete, steel, or timber (no plaster), and would not result in any construction vibration damage. For a non-engineered (those not designed by an engineer or architect) timber and masonry building, the construction building vibration damage criterion is 0.2 in/sec PPV.

**Table 4.13.B: Construction Vibration Damage Criteria**

Building Category	PPV (in/sec)
Reinforced concrete, steel, or timber (no plaster)	0.50
Engineered concrete and masonry (no plaster)	0.30
Non-engineered timber and masonry	0.20
Buildings extremely susceptible to vibration damage	0.12

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).

FTA = Federal Transit Administration

in/sec = inches per second

PPV = peak particle velocity

**Thresholds of Significance.** A project would normally have a significant effect on the environment related to noise and vibration if it would substantially increase the ambient noise levels for adjoining areas or conflict with the adopted environmental plans and the goals of the community in which the

<sup>1</sup> Federal Transit Administration (FTA). 2018. *Transit Noise and Vibration Impact Assessment Manual*. FTA Report No. 0123. September.

<sup>2</sup> Ibid.

Project is located. The applicable noise standards governing this project site are the criteria in the City’s Noise Ordinance and the 2018 FTA Manual.<sup>1</sup>

**Existing Noise Environment.** The Project site is surrounded by existing commercial use to the west, business park use to the east, a walking trail classified as regional park/open space to the north, and transportation corridor (Lake Forest Drive) use to the south. In order to assess the existing noise environment surrounding the Project site, a combination of long-term and short-term noise measurements were gathered around the perimeter of the Project site. LSA conducted two long-term 24-hour measurements from November 17, 2020 to November 18, 2020. The locations of the noise measurements are shown on Figure 4.13.1, with the results shown in Table 4.13.C. Noise monitoring sheets are included in Appendix F.

**Table 4.13.C: Existing Noise Level Measurements**

Location	Date	Daytime Noise Levels <sup>1</sup> (dBA L <sub>eq</sub> )	Nighttime Noise Levels <sup>2</sup> (dBA L <sub>eq</sub> )
LT-1: Located approximately 25 ft northwest of Lake Forest Drive, near the project driveway	11/17/20 to 11/18/20	62.6-68.2	55.5-65.9
LT-2: Located near northern corner of the project site	11/17/20 to 11/18/20	52.1-61.8	47.9-55.0

Source: Compiled by LSA Associates, Inc. (December 2020).

<sup>1</sup> Daytime Noise Levels were measured from 7:00 a.m. to 10:00 p.m.

<sup>2</sup> Nighttime Noise Levels were measured from 10:00 p.m. to 7:00 a.m.

dBA = A-weighted decibels

L<sub>eq</sub> = equivalent continuous sound level

LT = long-term measurement

**Sensitive Land Uses in the Project Vicinity.** The proposed Project has three components identified as the Intertie site, the decommissioning of the existing Zone B Pump Station, and the proposed Zone B to C Pump Station. Sensitive receptors at each respective location were evaluated to identify the nearest sensitive receptors. The closest sensitive receptors are shown on Figure 4.13.1.

**4.13.2 Impact Analysis**

*a) Would the Project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?*

Noise impacts from the proposed Project would be associated with construction and operational stationary source noise. The proposed Project would consist of the construction and operation of a new recycled water pump station and supporting equipment, the decommissioning/removal of an existing pump station, as well as the development of a new intertie between the Upper Oso Reservoir and the Lake Forest Zone C distribution system.

<sup>1</sup> Federal Transit Administration (FTA). 2018. *Transit Noise and Vibration Impact Assessment Manual*. FTA Report No. 0123. September.

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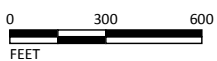


FIGURE 4.13.1

LSA

LEGEND

-  Project Location
-  Distance to Closest Sensitive Receptor
-  Long-Term Noise Monitoring Locations



SOURCE: Nearmap (10/12/2020)

I:\IRW2001.01\GIS\MXD\Noise\SensitiveRec\_NoiseMonLocs.mxd (12/10/2020)

Lake Forest Zone B to C Pump Station Project  
Sensitive Receptor and Noise Monitoring Locations



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**Construction Noise Impacts.** Examples of typical construction noise sources include demolition, site preparation, excavation, building construction, and paving. Construction-related noise levels would be higher than existing ambient noise levels in the Project area today, but would no longer occur once construction of the Project is completed.

Two types of potential short-term noise impacts could occur during construction of the proposed Project: (1) noise impacts related to construction crew commutes and the transportation of construction equipment and materials to the site; and (2) noise impacts associated with demolition, site preparation, grading, building construction, paving, and architectural coating on the Project site.

Construction crew commutes and the transport of construction equipment and materials to the Project site will result in a maximum of 31 trips per day during the phase with the highest construction activity, which would incrementally increase noise levels on access roads leading to the site. Although there would be a relatively high single-event noise exposure from heavy trucks, potentially causing intermittent noise nuisance (passing pickup trucks at 50 ft would generate up to a maximum of 75 dBA), the effect on longer-term (hourly or daily) ambient noise levels would be small (i.e., less than 0.1 dBA) given that the traffic volume increase on adjacent roadways is at most 31 trips. Therefore, construction-related impacts associated with worker commutes and equipment transport to the Project site would be less than significant.

The second type of potential short-term noise impact is related to noise generated during demolition, site preparation, grading/trenching, building construction, paving, and architectural coating. Construction is completed in discrete steps, each of which has its own mix of equipment and consequently its own noise characteristics. These various sequential phases would change the character of the noise generated on the site and therefore the noise levels surrounding the site as construction progresses. Despite the variety in the type and size of construction equipment, similarities in the dominant noise sources and patterns of operation allow construction-related noise ranges to be categorized by work phase. Typical operating cycles for these types of construction equipment may involve 1 or 2 minutes of full-power operation followed by 3 or 4 minutes at lower power settings.

Once the composite reference maximum noise level is calculated for each phase, the usage factor provided in Table 4.13.D is utilized to calculate the hourly noise level impact for each piece of equipment based on the following equation:

$$L_{eq}(equip) = E.L. + 10 \log(U.F.) - 20 \log\left(\frac{D}{50}\right)$$

- where:
- $L_{eq}(equip)$  =  $L_{eq}$  at a receiver resulting from the operation of a single piece of equipment over a specified time period
  - E.L. = noise emission level of the particular piece of equipment at a reference distance of 50 ft
  - U.F. = usage factor that accounts for the fraction of time that the equipment is in use over the specified period of time
  - D = distance from the receiver to the piece of equipment

**Table 4.13.D: Typical Maximum Construction Equipment Noise Levels (L<sub>max</sub>)**

Type of Equipment	Acoustical Usage Factor	Suggested Maximum Sound Levels for Analysis (dBA L <sub>max</sub> at 50 ft)
Air Compressor	40	80
Backhoe	40	80
Cement Mixer	40	85
Concrete/Industrial Saw	20	90
Crane	16	85
Excavator	40	85
Generator	50	82
Grader	40	85
Loader	40	80
Paver	50	85
Roller	20	85
Rubber Tire Dozer	40	85
Scraper	40	85
Tractor	40	84
Truck	40	84
Welder	40	73

Source: Roadway Construction Noise Model (FHWA 2006).  
dBA = A-weighted decibels  
ft = feet  
L<sub>max</sub> = maximum instantaneous noise level

Each piece of construction equipment operates as an individual point source. Utilizing the following equation, a composite noise level can be calculated when multiple sources of noise operate simultaneously:

$$Leq (composite) = 10 * \log_{10} \left( \sum_{1}^n 10^{\frac{Ln}{10}} \right)$$

Utilizing the equations from the methodology above and the reference information in Tables 4.13.D and 4.13.E, the composite noise level of the two loudest pieces of equipment, as required by the FTA criteria, would be 85 dBA Leq at a distance of 50 ft from the construction area. This noise level would be the same for the loudest phase at each project location. Table 4.13.E provides a summary of the reference noise levels during construction by phase.

Once composite noise levels are calculated, reference noise levels can then be adjusted for distance using the following equation:

$$Leq (at distance X) = Leq (at 50 feet) - 20 * \log_{10} \left( \frac{X}{50} \right)$$

In general, this equation shows that doubling the distance would decrease noise levels by 6 dBA while halving the distance would increase noise levels by 6 dBA. Table 4.13.F shows the expected construction noise levels at the surrounding sensitive receptors.

**Table 4.13.E: Noise Levels by Construction Phase**

Location	Phase <sup>1</sup>	Type of Equipment	Reference Level at 50 ft (dBA L <sub>max</sub> )	Composite Reference Level at 50 ft	
				dBA L <sub>max</sub>	dBA L <sub>eq</sub>
Intertie Site	Trenching	Concrete Saw	90	91	85
		Excavator	85		
Existing Pump Station	Demolition	Concrete Saw	90	91	85
		Dozer	85		
Proposed Pump Station	Grading	Concrete Saw	90	91	85
		Dozer	85		

Source: Compiled by LSA Associates, Inc. (December 2020).

<sup>1</sup> Phases that would generate the highest noise levels

dBA = A-weighted decibels      L<sub>eq</sub> = equivalent continuous sound level  
ft = feet                              L<sub>max</sub> = maximum instantaneous noise level

**Table 4.13.F: Noise Levels at Sensitive Receptors**

Location	Sensitive Receptor		Composite Reference Level at 50 ft (dBA L <sub>eq</sub> )	Distance to Sensitive Receptor (ft)	Noise Level (dBA L <sub>eq</sub> )
	Land Use	Direction			
Intertie Site	Single Family Home	South	85	480	65
Existing Pump Station	Single Family Home	Southwest	85	890	60
Proposed Pump Station	Single Family Home	South	85	1,230	57

Source: Compiled by LSA Associates, Inc. (December 2020).

dBA = A-weighted decibels      L<sub>eq</sub> = equivalent continuous sound level  
ft = feet

The nearest sensitive receptor would be the single-family homes located 480 ft to the south of the intertie location. It is expected that noise levels during construction at the nearest residences to the intertie location would approach 65 dBA L<sub>eq</sub>. All other sensitive receptors are located farther from areas of construction and would therefore experience lower noise levels.

While construction-related, short-term noise levels have the potential to be higher than existing ambient noise levels (which range from 52.1 to 68.2 dBA L<sub>eq</sub> during daytime hours) in the vicinity of the proposed Project, the noise impacts would no longer occur once project construction is completed. Furthermore, construction-related noise impacts at the nearest sensitive receptors would remain below the 90 dBA L<sub>eq</sub> 1-hour construction noise level criteria as established by the FTA.<sup>1</sup>

Compliance with the City’s Noise Ordinance would ensure that construction noise does not disturb the residential uses during hours when ambient noise levels are likely to be lower (i.e., at night). Mitigation Measure NOI-1 would limit construction hours and require the implementation of noise-

<sup>1</sup> Federal Transit Administration (FTA). 2018. *Transit Noise and Vibration Impact Assessment Manual*. FTA Report No. 0123. September.

reducing measures during construction. Therefore, with implementation of Mitigation Measure NOI-1, construction activity noise impacts would be less than significant.

**Off-Site Operation-Related Impacts.** Noise impacts associated with long-term, operation-related noise must comply with the standards presented in Section 11.16.040 of the City’s Municipal Code, which were described above. There would be no operational noise at the intertie location or the decommissioned pump station. Section 2.5 of this document provides a detailed description of the operations associated with the proposed Project. The new equipment associated with the proposed Project has the potential to generate increased noise levels to the surrounding receptors. The primary source of noise would include the operation of the new pump station. As shown in Table 4.13.G, the components of the new pump stations would include pumps, an exhaust fan, a compressor, and an AC drive that would have a composite noise level of approximately 81 dBA  $L_{eq}$  at a distance of 10 ft.

**Table 4.13.G: Operational Equipment Noise Levels**

Equipment	Reference Noise Level (dBA)	Reference Distance (ft)	Noise Level at 10 ft (dBA)	Quantity	Composite Noise Level at 10 ft (dBA)
Exhaust Fan (TPI-18 Direct Drive)	80	5	74	1	74
Pump (Flowserve Mark 3 Pump)	81	3.3	71	7	80
AC Drive (PowerFlex 750-Series)	72	6.7	69	1	69
Compressor (CAGI SK20T)	68	3.3	58	1	58
Heat Pump (Trane)	54	3.3	44	1	44
Heat Pump (Tran ST Series)	53	3.3	43	1	43
<b>Combined Noise Level</b>					<b>81</b>

Source: Compiled by LSA Associates, Inc. (December 2020).  
dBA = A-weighted decibels  
ft = feet

This level would be reduced to 39 dBA  $L_{eq}$  at the nearest residential property line to the south, approximately 1,230 ft away, due to distance attenuation. The resulting level would be well below the daytime and nighttime noise standards of 55 dBA  $L_{eq}$  and 50 dBA  $L_{eq}$ , respectively. The new pump station would also be housed within a concrete masonry unit (CMU), which would further substantially reduce noise levels generated during operation. Operational noise impacts would be less than significant and no mitigation is required.

**Significance Determination:** Less than Significant with Mitigation Incorporated

**Mitigation Measure:**

**NOI-1 Construction Noise.** Prior to commencement of construction activities, Irvine Ranch Water District (IRWD) shall verify the Project includes the following requirements to ensure that the greatest distance between noise sources and sensitive receptors during construction activities has been achieved:

- Construction activities occurring as part of the Project shall be subject to the limitations and requirements of the City of Lake Forest Municipal Code, which

states that construction activities are prohibited between the hours of 8:00 p.m. and 7:00 a.m. on weekdays, including Saturday, or at any time on Sunday or a legal City of Lake Forest holiday.

- During all project area excavation and on-site grading, the project contractors shall equip all construction equipment, fixed or mobile, with properly operating and maintained mufflers consistent with manufacturers’ standards.
- To the best extent possible, the project contractor shall place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the Project area.
- Construction staging areas shall be located as far away from sensitive receptors as possible during all phases of construction.

*b) Would the Project result in generation of excessive ground-borne vibration or ground-borne noise levels?*

**Construction Vibration Impacts.** Vibration generated by construction equipment can result in varying degrees of ground vibration, depending on the equipment. The operation of construction equipment causes ground vibrations that spread through the ground and diminish in strength with distance. Buildings on soil near an active construction area respond to these vibrations, which range from imperceptible to low rumbling sounds with perceptible vibrations and slight damage at the highest vibration levels. Vibration and ground-borne noise impacts tend to occur when physically forceful or ground-penetrating equipment is used (e.g., pile drivers) or where blasting is necessary.

Construction activities associated with the proposed Project would include excavation and earth-moving vehicles (i.e., excavators which would be similar to large bulldozers), but no pile driving or percussive impact construction methods would be used. Table 4.13.H shows the PPV values and vibration levels (in terms of VdB) from construction vibration sources at 25 ft from construction vibration sources for comparison purposes.

**Table 4.13.H: Vibration Source Amplitudes for Construction Equipment**

Equipment	Reference PPV/L <sub>v</sub> at 25 ft	
	PPV (in/sec)	L <sub>v</sub> (VdB) <sup>1</sup>
Hoe Ram	0.089	87
Large Bulldozer	0.089	87
Caisson Drilling	0.089	87
Loaded Trucks	0.076	86
Jackhammer	0.035	79
Small Bulldozer	0.003	58

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).

<sup>1</sup> RMS VdB re 1 μin/sec.

μin/sec = microinches per second  
ft = feet

FTA = Federal Transit Administration  
in/sec = inches per second

L<sub>v</sub> = velocity in decibels  
PPV = peak particle velocity  
RMS = root-mean-square  
VdB = vibration velocity decibels

At the intertie location, loaded trucks used for trenching would generate the highest ground-borne vibration levels. Construction equipment would be located approximately 50 feet from the southeast corner of the existing medical office building located to the north of the intertie location (29300 Portola Parkway). Based on the vibration source amplitudes for construction equipment provided in Table 4.13.H, a loaded truck would generate vibration levels of 0.031 PPV (in/sec) and 77 VdB when measured at 50 ft. With a vibration level of 0.061 PPV in/sec, vibration levels would be well below the damage threshold of 0.2 PPV in/sec. In order to account for the coupling adjustments as specified in Table 6-12 of the FTA Manual, for a 1-2 story masonry building, the vibration levels would be reduced by 7 VdB and the interior levels would approach 70 VdB which is below the 72 VdB human response criteria for buildings with operating rooms.

At the proposed pump station and the existing decommissioned pump station, loaded trucks used for construction or demolition would generate the highest ground-borne vibration levels. Based on the FTA Manual, a truck would generate vibration levels of 0.020 PPV (in/sec) and 75 VdB when measured at 60 ft, which is the approximate distance to the nearest building at either of these locations. With a vibration level of 0.020 PPV in/sec, vibration levels would be well below the damage threshold of 0.2 PPV in/sec. In order to account for the coupling adjustments as specified in Table 6-12 of the FTA Manual, for a 1-2 story masonry building, the vibration levels would be reduced by 7 VdB and the interior levels would approach 68 VdB which is below the 84 VdB human response criteria for office buildings.

Short-term construction impacts related to ground-borne vibration or ground-borne noise would be temporary in nature and would cease upon construction. Therefore, construction vibration impact areas would be considered less than significant, and no mitigation is required.

**Operational Impacts.** The proposed equipment to be installed is expected to generate minimal vibration levels. Due to the distance of the proposed equipment to the nearest uses, operation of the proposed Project would not generate ground-borne noise or vibration at off-site receptors. Therefore, no ground-borne noise and ground-borne vibration impacts would occur, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?*

The proposed Project is not located within an airport land use plan or within 2 mi of a public airport or public use airport. The nearest public use airport is John Wayne Airport in the City of Santa Ana, approximately 11.4 mi west of the Project site.<sup>1</sup> As a result, the proposed Project would not expose people residing or working in the Project area to excessive noise levels from aircraft. Therefore,

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<sup>1</sup> John Wayne Airport (JWA). 2019. Annual 60, 65, 70, and 75 CNEL Noise Contour Maps.



no noise related to the Project site's proximity to a public airport or any airport land use plan would occur, and no mitigation is required.

**Significance Determination:** No Impact

**Mitigation Measures:** No mitigation is required.

**4.14 POPULATION AND HOUSING**

		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<i>Would the project:</i>					
a)	Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b)	Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**4.14.1 Impact Analysis**

*a) Would the Project induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?*

The proposed Project includes construction and operation of a new recycled water pump station and intertie to improve the water quality within IRWD’s Zone B to C recycled water system. Construction of the proposed Project would provide short-term jobs over an approximately 12-month period, which is anticipated to start in May 2021 and end in April 2022. Many of the construction jobs would be temporary or seasonal and would be specific to the variety of construction activities. The workforce would include a variety of craftspeople (e.g., cement finishers, ironworkers, welders, carpenters, electricians, painters, and laborers). Generally, construction workers are only at a job site for the time frame in which their specific skills are needed to complete that phase of construction. Although the proposed Project would increase the number of employees at the Project site during construction activities, it is expected that local and regional construction workers would be available to serve the proposed Project’s construction needs. Project-related construction workers would not be expected to relocate their household’s place of residence as a consequence of working on the proposed Project; therefore, Project construction would not be expected to increase the population of Lake Forest or its surrounding communities. There is no housing component proposed as part of the proposed Project; therefore, the Project would not directly induce population growth in the region. In addition, there would not be any full-time staff associated with the proposed Project, and existing IRWD employees would provide maintenance and operations for the facility. Finally, the proposed Project does not include the extension of roadways or other infrastructure that could indirectly induce substantial population growth in the area. Therefore, the proposed Project would not directly or indirectly induce substantial population growth, and no mitigation is required.

**Significance Determination:** No Impact

**Mitigation Measures:** No mitigation is required.

*b) Would the Project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?*

Implementation of the proposed Project consists of the construction and operation of a proposed pump station located on an existing site, which was previously developed with Lake Forest Well No. 5. The proposed intertie would be located underground in and adjacent to an existing roadway and would not displace existing people or housing. The existing pump station (which will be removed) is located approximately 897 ft from the nearest residential use and would not displace existing people or housing. Therefore, implementation of the proposed Project would not result in an impact related to the displacement of substantial numbers of existing housing or people, thereby necessitating the construction of replacement housing elsewhere. No mitigation is required.

**Significance Determination:** No Impact.

**Mitigation Measures:** No mitigation is required.

**4.15 PUBLIC SERVICES**

		Less Than Significant			
		Potentially Significant Impact	With Mitigation Incorporated	Less Than Significant Impact	No Impact
<i>Would the project:</i>					
a)	Result in substantial adverse physical impacts associated with the provision of or need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
i)	Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii)	Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii)	Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv)	Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
v)	Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**4.15.1 Impact Analysis**

*a) Would the project result in substantial adverse physical impacts associated with the provision of or need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:*

- i) Fire protection?*
- ii) Police protection?*
- iii) Schools?*
- iv) Parks?*
- v) Other public facilities?*

The proposed Project is being developed for the purpose of improving the water quality within IRWD’s Zone B to C recycled water system. The proposed Project would not require additional public services (e.g., fire protection, police protection, schools, or parks) beyond what currently exists. Therefore, the proposed Project would have no impact on public services and no mitigation is required.

**Significance Determination:** No Impact  
**Mitigation Measures:** No mitigation would be required.

## 4.16 RECREATION

		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<i>Would the project:</i>					
a)	Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b)	Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### 4.16.1 Impact Analysis

a) *Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?*

**and**

b) *Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?*

The proposed Project would provide new facilities that would assist with the recycled water supply in IRWD's Zone C service area. The proposed Project does not include recreational facilities and would not change the number of employees on site or increase the number of residents in Lake Forest or the surrounding communities. Therefore, the proposed Project would not result in the increased use of existing neighborhood or regional parks or other recreational facilities or create a demand for the construction or expansion of parks and recreational facilities beyond what currently exists. Therefore, there would be no impact to parks or recreation resources, and no mitigation is required.

**Significance Determination:** No Impact

**Mitigation Measures:** No mitigation is required.

**4.17 TRANSPORTATION**

<i>Would the project:</i>		Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b)	Conflict or be inconsistent with CEQA Guidelines section 15064.3, or conflict with an applicable congestion management program, including, but not limited to, level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c)	Substantially increase hazards due to a geometric design feature (e. g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d)	Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

This section describes the existing transportation and circulation conditions in the vicinity of the Project site and addresses the potential impacts of the proposed Project in terms of transit, roadway, bicycle and pedestrian facilities, safety, and access.

**4.17.1 Impact Analysis**

*a) Would the Project conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?*

The proposed Project includes the construction of a new pump station between 20381 Lake Forest Drive and 20411 Lake Forest Drive in Lake Forest. The new pump station would be constructed on a site previously occupied by the existing IRWD Lake Forest Well No. 5. Construction of the proposed Project is anticipated to take approximately 12 months, weather permitting (42 weeks).

Typical operation of the proposed Project would be conducted remotely, and there would not be any full-time dedicated staff at the site. The proposed Project will not generate vehicle trips for normal day-to-day operations.

In order to assess the impact of the proposed Project on the surrounding circulation system, the proposed Project trips that would be generated on a temporary basis throughout each phase of construction were estimated based on the anticipated number of workers and trucks.

Construction of the proposed Project will include the following six phases (phase durations and daily worker and truck estimates):

- **Phase 1: Earthwork** (8 workers and 2 haul trucks per day for 4 weeks)
- **Phase 2: Steel Pipe and Yard Piping** (8 workers per day for 3 weeks)

- **Phase 3: Concrete** (12 workers, 1 pumper truck, and 4 delivery trucks per day for 7 weeks)
- **Phase 4: Installation of Concrete Masonry Units (CMU)** (8 workers and 1 concrete truck per day for 8 weeks)
- **Phase 5: Installation of Steel Girders and Construction of CMU Pump Station Building** (8 workers and 1 concrete truck per day for 20 weeks)
- **Phase 6: Intertie Construction and Demolition of the Existing Pump Station** (6 workers and 1 truck per day for 6 weeks)

It is assumed that workers would arrive at the site in the a.m. peak hour and depart the site during the p.m. peak hour. Truck trips are anticipated to occur throughout the day, including both peak hours. A passenger car equivalent (PCE) factor of 2.0 has been applied to the trucks.

As shown in Table 4.17.A, the overlap of Phase 5 (Steel Girders and Pump Station Building) and Phase 6 (Intertie Construction and Demolition of Existing Pump Station) is the most intense period of construction (i.e., the highest construction trip generation). Over approximately 6 weeks, concurrent Phases 5 and 6 are anticipated to generate 48 ADT, including 18 inbound trips in the a.m. peak hour and 18 outbound trips in the p.m. peak hour, in PCEs. All other construction phases would generate 44 or fewer ADT, including 16 or fewer peak-hour trips, in PCEs.

The construction-related trip generation for the proposed Project is nominal (maximum of 18 or fewer peak-hour trips for any period of construction) over a duration of approximately 12 months (and a peak of only 6 weeks).

The proposed Project is not anticipated to result in any level of service (LOS) or operational deficiencies to the surrounding circulation system based on its low number of trips for a temporary duration; however, the proposed Project would require temporary lane and sidewalk closures on Portola Parkway to allow construction of the intertie. Temporary lane closures would be implemented consistent with the recommendations of the current CATTCH (previously known as the California Joint Utility Traffic Control Manual). The CATTCH provides basic standards for the safe movement of all road users (including motorists, bicyclists, and pedestrians on streets, highways, and bikeways) through construction zones in accordance with Section 21400 of the California Vehicle Code and the California Manual on Uniform Traffic Control Devices. Mitigation Measure TRA-1 requires the preparation of a CTMP based on the recommendations of the CATTCH. The CTMP would further ensure that acceptable intersection LOS and pedestrian access are maintained during peak traffic hours and that construction traffic does not queue on public roadways.

**Table 4.17.A: Construction Trip Generation Summary**

Phase			Daily Vehicles				Vehicle Trip Generation						PCE Trip Generation								
Description	Duration	Location	Description	Quantity	Type	PCE <sup>1</sup>	ADT	AM Peak Hour			PM Peak Hour			ADT	AM Peak Hour			PM Peak Hour			
								In	Out	Total	In	Out	Total		In	Out	Total	In	Out	Total	
1	Earthwork	4 weeks	Proposed Pump Station	Workers <sup>2</sup>	8	Passenger	1	16	8	0	8	0	8	8	16	8	0	8	0	8	8
				Dump Trucks <sup>2</sup>	1	Large Truck	2	2	1	0	1	0	1	1	4	2	0	2	0	2	2
				<b>Total</b>				<b>18</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>9</b>	<b>20</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>10</b>
2	Steel Pipe and Yard Piping	3 weeks	Proposed Pump Station	Workers <sup>2</sup>	8	Passenger	1	16	8	0	8	0	8	8	16	8	0	8	0	8	8
				<b>Total</b>				<b>16</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>8</b>	<b>16</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>8</b>
				Workers <sup>2</sup>	12	Passenger	1	24	12	0	12	0	12	12	24	12	0	12	0	12	12
3	Concrete	7 weeks	Proposed Pump Station	Pumper Trucks <sup>2</sup>	1	Large Truck	2	2	1	0	1	0	1	4	2	0	2	0	2	2	
				Delivery Trucks <sup>2</sup>	4	Large Truck	2	8	1	0	1	0	1	16	2	0	2	0	2	2	
				<b>Total</b>				<b>34</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>44</b>	<b>16</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>16</b>	<b>16</b>
4	Installation of CMUs	8 weeks	Proposed Pump Station	Workers <sup>2</sup>	8	Passenger	1	16	8	0	8	0	8	8	16	8	0	8	0	8	8
				Concrete Trucks <sup>2</sup>	1	Large Truck	2	2	1	0	1	0	1	4	2	0	2	0	2	2	
				<b>Total</b>				<b>18</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>9</b>	<b>20</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>10</b>
5	Installation of Steel Girders and Construction CMU Pump Station Building	20 weeks	Proposed Pump Station	Workers <sup>2</sup>	8	Passenger	1	16	8	0	8	0	8	8	16	8	0	8	0	8	8
				Concrete Trucks <sup>2</sup>	1	Large Truck	2	2	1	0	1	0	1	4	2	0	2	0	2	2	
				<b>Total</b>				<b>18</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>9</b>	<b>20</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>10</b>
6	Intertie Construction and Demolition of the Existing Pump Station <sup>3</sup>	6 weeks	Existing Pump Station (to be removed) & Proposed Intertie	Workers <sup>2</sup>	6	Passenger	1	12	6	0	6	0	6	6	12	6	0	6	0	6	6
				Trucks <sup>2</sup>	4	Large Truck	2	2	1	0	1	0	1	4	2	0	2	0	2	2	
				<b>Total</b>				<b>14</b>	<b>7</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>16</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>8</b>
Concurrent Phases 5 and 6	6 weeks			Workers <sup>2</sup>	14	Passenger	1	28	14	0	14	0	14	14	28	14	0	14	0	14	14
				Trucks <sup>2</sup>	5	Large Truck	2	10	2	0	2	0	2	20	4	0	4	0	4	4	
				<b>Total</b>				<b>38</b>	<b>16</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>16</b>	<b>16</b>	<b>48</b>	<b>18</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>18</b>	<b>18</b>

Source: Compiled by LSA Associates, Inc. (December 2020).

<sup>1</sup> A worker vehicle has a PCE of 1.0 and a construction truck has a PCE of 2.0.

<sup>2</sup> Workers are assumed to arrive in the a.m. peak hour and depart during the p.m. peak hour. Truck trips are assumed to occur throughout the day, including the peak hours.

<sup>3</sup> This phase includes 4 total trucks (1 concrete, 1 dump, and 2 delivery trucks).

ADT = average daily trips

CML&C = cement mortar lined and coated

CMU = concrete masonry unit

PCE = passenger car equivalent



Although the proposed Project would generate construction (temporary) vehicles/trucks, it would not preclude alternative modes of transportation or facilities (e.g., transit, bicycle, or pedestrian). The proposed Project is consistent with the City's General Plan Mobility Element (adopted June 2020).<sup>1</sup> The proposed Project would not make any permanent changes to the public right-of way in the Project vicinity and would not conflict with existing or planned transit, roadway, bicycle, or pedestrian facilities. Therefore, with implementation of Mitigation Measure TRA-1, the proposed Project would not conflict with a program plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities.

**Significance Determination:** Less Than Significant with Mitigation Incorporated  
**Mitigation Measures:**

**TRA-1 Construction Traffic Management Plan (CTMP).** Prior to commencement of grading activities, Irvine Ranch Water District (IRWD) shall prepare a CTMP and shall ensure that the plan is implemented during construction with the goal of maintaining acceptable intersection level of service (LOS) during peak traffic hours and ensuring that construction traffic does not queue on public roadways. The CTMP shall be consistent with the current California Temporary Traffic Control Handbook (CATTCH). At a minimum, the CTMP shall include, but not be limited to, the following:

- Provisions for temporary traffic control to improve traffic flow on public roadways and ensure the safe access into and out of the site (e.g., warning signs, lights and devices, and flag person).
- Prohibiting construction-related vehicles from parking on public streets.
- Providing safety precautions for pedestrians and bicyclists through such measures as alternate routing and protection barriers.
- Obtaining the required permits for truck haul routes from the City of Lake Forest.
- All emergency access to the Project site and adjacent areas shall be kept clear and unobstructed during all phases of demolition and construction.
- The Orange County Sheriff's Department and the Orange County Fire Authority (OCFA) shall be notified a minimum of 1 week (7 days) in advance of any lane closures or roadway work so that emergency vehicles can be rerouted during construction if deemed necessary in the expert opinion of the Orange County Sheriff's Department and/or OCFA.

<sup>1</sup> City of Lake Forest. 2020. Lake Forest 2040 General Plan Mobility Element. Adopted June 2020. Website: <https://www.lakeforestca.gov/DocumentCenter/View/10650/Mobility-Element> (accessed November 2020).

- The Orange County Transportation Authority (OCTA) shall be notified regarding any affected locations a minimum of 10 working days prior to construction so that transit service can be rerouted if deemed necessary in the expert opinion of OCTA.

b) *Would the Project conflict or be inconsistent with CEQA Guidelines section 15064.3, or conflict with an applicable congestion management program, including, but not limited to, level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?*

State CEQA Guidelines Section 15064.3, subdivision (b), states that transportation impacts for land use projects are to be measured by evaluating the project's vehicle miles traveled (VMT), as outlined in the following:

*Vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high-quality transit corridor should be presumed to cause a less than significant transportation impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be presumed to have a less than significant transportation impact.*

VMT is the amount and distance of automobile travel attributable to a project. According to the Office of Planning and Research (OPR) *Technical Advisory on Evaluating Transportation Impacts in CEQA* (December 2018),<sup>1</sup> "automobile" refers to "on-road passenger vehicles, specifically cars and light trucks." Thus, project trucks do not need to be included in the project VMT assessment.

Additionally, the OPR technical advisory recommends VMT screening thresholds for smaller projects. The footnote on page 12 of the OPR technical advisory states the following:

#### ***Screening Thresholds for Small Projects***

*Many local agencies have developed screening thresholds to indicate when detailed analysis is needed. Absent substantial evidence indicating that a project would generate a potentially significant level of VMT, or inconsistency with a Sustainable Communities Strategy (SCS) or general plan, projects that generate or attract fewer than 110 trips per day generally may be assumed to cause a less-than-significant transportation impact.*

The OPR technical advisory recommends that projects generating fewer than 110 trips will be assumed to cause a less than significant transportation impact. In addition, the City of Lake Forest

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<sup>1</sup> Office of Planning and Research (OPR). 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December. Website: [http://opr.ca.gov/docs/20190122-743\\_Technical\\_Advisory.pdf](http://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf) (accessed November 2020).

*Transportation Analysis Guidelines* (July 1, 2020)<sup>1</sup> has established a screening criterion for projects generating up to 110 ADT. As such, a project generating 110 ADT or less is screened out of a VMT analysis due to the presumption of a less-than-significant impact.

The proposed Project is estimated to generate nominal ADT (48 passenger vehicle ADT) and peak-hour trips (18 trips) on a temporary basis for construction, and it would not generate any new vehicle trips during day-to-day operations since there would not be any full-time dedicated staff on site. As such, it is considered a small project and assumed to have a less than significant impact on transportation. Therefore, the proposed Project is not subject to a VMT analysis.

The proposed Project is not anticipated to result in any LOS or operational deficiencies to the surrounding circulation system based on its description, location, and low trip generation during temporary construction (peak of 48 ADT, including 18 trips in the a.m. and p.m. peak hours). Therefore, the proposed Project would not conflict with any congestion management program, standards, or travel demand measures for roads or highways.

Potential impacts would be less than significant, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*c) Would the Project substantially increase hazards due to a geometric design feature (e. g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?*

Regional access to the pump station Project site is provided by Lake Forest Drive. Site access for the existing pump station and reservoir is controlled by a gate on the access road near its intersection with Regency Lane (southeast of the intersection of Lake Forest Drive/Regency Lane). The intertie site is publicly accessible from Portola Parkway. Access would not change as part of the proposed Project. As such, the proposed Project would not substantially increase hazards for vehicles due to a geometric design feature or incompatible uses, and impacts would be less than significant. No mitigation is required.

**Significance Determination:** Less than Significant Impact

**Mitigation Measures:** No Mitigation is Required

*d) Would the Project result in inadequate emergency access?*

Site access would not change as part of the proposed Project and would continue to be accessed from Lake Forest Drive (pump station site) and a gated access road on Regency Lane via the intersection of Lake Forest Drive/Regency Lane (existing pump station and reservoir). Therefore, emergency access would continue to be provided from Regency Lane (access road). Since the proposed Project would not modify the existing configuration of the Project site, emergency access

<sup>1</sup> City of Lake Forest. 2020. City of Lake Forest Transportation Analysis Guidelines. July 1. Website: <https://lakeforestca.gov/DocumentCenter/View/823/CEQA-Significance-Thresholds-Guide-2020--Transpo-Analysis-GuidelinesPDF> (accessed November 2020).

to the site would not be affected. Impacts associated with emergency access would be less than significant. No mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

## 4.18 TRIBAL CULTURAL RESOURCES

		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<i>Would the project:</i>					
a)	Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i)	Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ii)	A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 4.18.1 Impact Analysis

- a) *Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is*
- i) *Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?*
- ii) *A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?*

The following responses address Thresholds 4.18(a)(i) and 4.18(a)(ii).

Chapter 532, Statutes of 2014 (i.e., AB 52), requires that Lead Agencies evaluate a project’s potential to impact “tribal cultural resources”. Such resources include “[s]ites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are eligible for inclusion in the California Register of Historical Resources or included in a local

register of historical resources.” AB 52 also gives Lead Agencies the discretion to determine, supported by substantial evidence, whether a resource qualifies as a “tribal cultural resource”.

Also, per AB 52 (specifically, PRC 21080.3.1), a CEQA Lead Agency must consult with California Native American tribes that are traditionally and culturally affiliated with the geographic area of the proposed Project and have previously requested that the Lead Agency provide the tribe with notice of such projects.

As discussed in Section 4.5, the results of the records search indicate that eight previous cultural resource studies have included the Project site. There have been 20 additional studies conducted within 0.25 mi of the Project site. In addition, 11 pre-contact archaeological resources have been previously recorded within 0.25 mi of the Project site. However, no cultural resources have been previously recorded within the Project site. In addition, no cultural resources were identified during the field survey of the Project site conducted on December 7, 2020. Furthermore, the Project site does not contain any buildings or structures that meet any California Register criteria or qualify as “historical resources” as defined by CEQA. Therefore, the proposed Project would not cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5 of the *State CEQA Guidelines* or PRC Section 5020.1(k).

On November 19, 2020, IRWD sent letters for the purpose of AB 52 consultation to the following tribes:

- Gabrieleno Band of Mission Indians – Kizh Nation, Andrew Salas, Chairman
- Juaneño Band of Mission Indians – Acjachemen Nation, Joyce Stanfield Perry, Tribal Manager

As stated in the letters to the Kizh and Acjachemen Nations, if additional information about the Project or consultation with IRWD is requested, IRWD must be contacted within 30 days of receipt of the letter. The Acjachemen Nation did not request additional consultation with IRWD. The Kizh Nation contacted IRWD on December 18, 2020 to request that a meeting be held with IRWD. IRWD held its consultation meeting with the Kizh Nation on February 3, 2021. The Kizh Nation provided IRWD with some tribal history for the vicinity of the Project site, and indicated they would send additional information following the meeting. The Kizh Nation did indicate there have been recent tribal cultural resources found at the nearby Nakase development site in Lake Forest. Given that the Nakase site is in close proximity to the proposed site, the Kizh Nation informed IRWD that they believe there is a high probability for additional tribal indicators in the area. Given the sensitivity of the Project area, the Kizh Nation feels tribal monitoring is warranted during ground-disturbing activities associated with Project implementation.

Excavation for this proposed Project is expected to be limited in terms of location, as well as vertical and horizontal extent. At the existing pump station there would be no excavation. At the proposed intertie location, excavation is expected to extend to a depth of 6.5 ft. At the proposed pump station site, excavation for the building and retaining wall will extend to a depth of 3 ft bgs. The two Project component locations with proposed ground disturbance (i.e., the proposed new pump station and proposed intertie locations) have been monitored for archaeological resources during previous

ground-disturbing activities with negative findings for cultural resources.<sup>1,2</sup> Given the previous disturbance of the Project site and the negative findings during archaeological monitoring of the previous ground disturbance, the likelihood of encountering subsurface tribal cultural resources during ground-disturbing construction activities is low. However, in the unlikely event that excavation for the proposed new pump station and proposed intertie uncovers a yet-to-be-discovered tribal cultural resource, implementation of Mitigation Measure TCR-1 would reduce any potential impacts to previously undiscovered tribal cultural resources to a less than significant level.

**Significance Determination:** Less than Significant with Mitigation Incorporated.

**Mitigation Measure:**

**TCR-1 Unknown Tribal Cultural Resources.** Prior to the commencement of earthwork activities in sections that are outside of a previously ground-filled area, the Irvine Ranch Water District (IRWD) shall provide written notification to the Native American representatives from the Gabrieleno Band of Mission Indians – Kizh Nation (“tribal representatives”) indicating the date of the commencement of earthwork activities. The tribal representatives shall be provided reasonable access to the Project site in a manner that does not interfere with the earthwork activities. Tribal representatives, at their own expense, and in a manner that does not interfere with earthwork activities, shall be allowed to observe subsurface ground-disturbing construction activities for the proposed pump station. If any tribal cultural resources are identified during the observation and if evidence is presented that the discovery proves to be potentially significant under the California Environmental Quality Act (CEQA), as determined by a qualified archaeologist, the tribal representatives, and the qualified archaeologist, in consultation with IRWD, shall determine the appropriate actions for exploration and/or recovery.

<sup>1</sup> Brock, James P. 1991. Report on Archaeological Monitoring of Rough Grading of Portola Parkway at Aliso Creek, El Toro, California (Station 13+67 to El Toro Road). Archaeological Advisory Group. On file, South Central Coastal Information Center, California State University, Fullerton (Accession No. OR-01156).

<sup>2</sup> Gust, Sherri. 1999. Archaeological and Paleontological Monitoring Report for Serrano Creek Business Center, Lake Forest, California. RMW Paleo Associates, Inc. On file, South Central Coastal Information Center, California State University, Fullerton (Accession No. OR-04358).

### 4.19 UTILITIES AND SERVICE SYSTEMS

<i>Would the project:</i>		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b)	Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c)	Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d)	Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e)	Comply with federal, state, and local management and reduction statutes and regulations related to solid wastes?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### 4.19.1 Impact Analysis

*a) Would the Project require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?*

**Water and Wastewater.** The Project site is within IRWD's water and wastewater service area. IRWD provides potable water, sewer service, and recycled water to 422,000 customers in Orange County across 181 square miles. IRWD's service area includes approximately 116,000 water connections and 20,200 sewer connections, and serves 94,381 acre-feet of water annually.<sup>1</sup> IRWD's main sources of water include: (1) groundwater; (2) imported water from the Municipal Water District of Orange County, which purchases water from MWD; and (3) recycled water. Approximately 48 percent, 27 percent, and 21 percent of IRWD's water comes from groundwater, imported water, and recycled water, respectively.<sup>2</sup>

The purpose of the proposed Project is to improve the quality of water within IRWD's Zone B to C recycled water system by constructing a new recycled water pump station. The proposed intertie would augment recycled water supplies into the IRWD Lake Forest Zone C system during maintenance operations or a request from SMWD for IRWD to provide recycled water flows into the

<sup>1</sup> Irvine Ranch Water District (IRWD). "About Us." Website: <https://www.irwd.com/about-us/> (accessed December 11, 2020).

<sup>2</sup> Irvine Ranch Water District (IRWD). Water Supply & Reliability. Website: <https://www.irwd.com/services/water-supply-reliability> (accessed December 11, 2020).



Upper Oso Reservoir. The proposed intertie would also be used by IRWD to deliver excess recycled water flow to SMWD during low demand periods. Although the Project itself includes the construction of a new recycled water facility and associated improvements, the proposed pump station would replace the existing pump station, which has exceeded its useful service life. Additionally, as described in the Project Description, the proposed Project would construct a building to house pumping facilities and would be operated remotely; therefore, there would be no staff on the site on a full-time basis. Further, overall water and wastewater demands would remain similar to existing conditions, and any increase in water demand or wastewater generation during Project construction or operation would be minimal and incidental to the overall IRWD system. Therefore, a less than significant impact would occur, and no mitigation is required.

**Storm Water Drainage Facilities.** As discussed in Section 4.10, Hydrology and Water Quality, the proposed Project would generally maintain the existing drainage pattern on the Project site and would not substantially increase the volume of storm water runoff from the Project site. Therefore, the proposed Project would not contribute additional runoff to the downstream storm water drainage facilities or cause the expansion of existing facilities. Impacts to storm water drainage facilities would be less than significant, and no mitigation is required.

**Electric Power.** Refer to Section 4.6, Energy, for further discussion related to the proposed Project's impacts with respect to existing and projected supplies of electricity. As discussed further in Section 4.6, the Project would not require or result in the relocation or construction of new or expanded electric power facilities, the construction of which could cause significant environmental effects. No mitigation would be required.

**Natural Gas.** The proposed Project does not include any utility improvements related to natural gas. Therefore, the proposed Project would not require or result in the relocation or construction of new or expanded natural gas facilities, the construction of which could cause significant environmental effects. No mitigation would be required.

**Telecommunications.** Construction activities associated with the proposed Project would not increase the demand for telecommunications facilities. In addition, the proposed Project would not involve the construction or relocation of new or expanded telecommunications facilities. Therefore, implementation of the proposed Project would not result in impacts related to the construction or relocation of existing telecommunications facilities, and no mitigation would be required.

**Summary.** The proposed Project would not require or result in the relocation or construction of new or expanded facilities for water, wastewater treatment, storm drainage, electric power, natural gas, or telecommunications. Existing facilities have the capacity to serve the anticipated uses, and the Project would not substantially increase demand upon these facilities as compared to historic and existing conditions at the Project site. Therefore, impacts to these utility facilities would be less than significant, and no mitigation would be required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*b) Would the Project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?*

As previously stated in Response 4.10(a) above, overall water demand would remain similar to existing conditions because the proposed pump station would replace the existing pump station, which has extended its useful service life. Any increase in water demand during Project construction or operation would be minimal and incidental to the overall IRWD system. Therefore, water demand from the proposed Project would be within IRWD's current and projected water supplies available to serve the Project and reasonably foreseeable future development during normal, dry, and multiple dry years. Impacts related to water supplies would be less than significant, and no mitigation would be required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*c) Would the Project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?*

The purpose of the proposed Project is to improve the quality of water within IRWD's Zone B to C recycled water system by constructing a new recycled water pump station. As described in the Project Description, the proposed Project would construct a building to house pumping facilities and would be operated remotely; therefore, staff visits to the site would be limited to periods of routine maintenance and to periodically check on facilities. Furthermore, because the existing site for the proposed pump station is not currently served by a wastewater treatment provider and the proposed Project would not include new wastewater connections, impacts related to a wastewater treatment provider having adequate capacity to serve the proposed Project's demands are not applicable. Therefore, a less than significant impact would occur, and no mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*d) Would the Project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?*

The existing site for the proposed pump station is vacant and has already been mass graded as a result of a previous project. Therefore, construction at the proposed pump station site is not expected to generate significant amounts of solid waste during construction given that there are no structures or features to demolish. Although the removal of the existing pump station would generate waste associated with the disposal of the interior piping, valves, fittings, gauges, sensors, pumps, bases, and pipe stands, the pump bases and any other raised concrete surfaces would be left in place. Further, no buildings would be demolished as part of the decommissioning of the existing pump station, and Project wastes during construction would not likely be significant enough to have a meaningful impact, if at all, on nearby landfills. Further, because operation of the Project would occur remotely and there would be no full-time staff on the site, the Project would not

generate substantial amounts of solid waste during its operational phase. Therefore, solid waste generated by the proposed Project would not cause the capacity of the Frank Bowerman Landfill, which is the closest landfill to the Project site, to be exceeded. The proposed Project would result in a less than significant impact to solid waste and landfill facilities, and no mitigation would be required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*e) Would the Project comply with federal, state, and local management and reduction statutes and regulations related to solid wastes?*

The California Integrated Waste Management Act (AB 939) changed the focus of solid waste management from landfill to diversion strategies (e.g., source reduction, recycling, and composting). The purpose of the diversion strategies is to reduce dependence on landfills for solid waste disposal. AB 939 established mandatory diversion goals of 25 percent by 1995 and 50 percent by 2000.

Although the proposed Project is not expected to generate substantial amounts of solid waste during construction or operation, some solid waste could be generated. As such, the proposed Project would be required to comply with applicable federal, State, and local regulations related to solid waste disposal.

The proposed Project would comply with existing and future statutes and regulations, including waste diversion programs mandated by City, State, or federal law. In addition, as discussed above, the proposed Project would not result in an excessive production of solid waste that would exceed the capacity of the existing landfill serving the Project site. Therefore, the proposed Project would not result in an impact related to federal, State, and local statutes and regulations related to solid wastes, and no mitigation would be required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

**4.20 WILDFIRE**

<i>If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:</i>		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b)	Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c)	Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d)	Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**4.20.1 Impact Analysis**

*a) If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the Project impair an adopted emergency response plan or emergency evacuation plan?*

According to the Lake Forest VHFHSZs in the LRA<sup>1</sup> map, the Project site is located within a non-VHFHSZ LRA.<sup>2</sup> Furthermore, as discussed in Section 4.9, Hazards and Hazardous Materials, and Section 4.17, Transportation, the proposed Project would require temporary lane and sidewalk closures on Portola Parkway to allow construction of the intertie. Temporary lane closures would be implemented consistent with the recommendations of the current CATTCH (previously known as the California Joint Utility Traffic Control Manual). The CATTCH provides basic standards for the safe movement of all road users (including emergency responders) through construction zones in accordance with Section 21400 of the California Vehicle Code and the California Manual on Uniform Traffic Control Devices. Mitigation Measure TRA-1 requires the preparation of a CTMP based on the recommendations of the CATTCH. The CTMP would further ensure that the proposed Project would not inhibit emergency response plan or an emergency evacuation plan. Operation of the proposed Project does not include any characteristics (e.g., permanent road closures or the long-term blocking of road access) that would physically impair or otherwise conflict with an adopted emergency response plan or emergency evacuation plan. The proposed Project would be required to comply with all applicable codes and ordinances for emergency vehicle access, which would ensure adequate access to, from, and on site for emergency vehicles. Adherence to these codes and

<sup>1</sup> An LRA is defined as land on which neither the state nor the federal government has the legal responsibility of providing fire protection.

<sup>2</sup> California Department of Forestry and Fire Protection (CAL FIRE), Fire and Resource Assessment Program. 2011. Lake Forest Very High Fire Hazard Severity Zones in LRA as Recommended by CAL FIRE. October.

ordinances, and Mitigation Measure TRA-1 would ensure that construction and operation of the proposed Project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Therefore, incorporation of Mitigation Measure TRA-1 would ensure that the proposed Project would not inhibit an emergency response plan or an emergency evacuation plan during construction.

**Significance Determination:** Less Than Significant with Mitigation Incorporated

**Mitigation Measures:** Refer to Mitigation Measure TRA-1.

*b) If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the Project, due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?*

The proposed pump station site is surrounded by regional park/open space area associated with Serrano Creek Trail to the north, commercial development to the east and west, and Lake Forest Drive to the south. The proposed pump station would be developed on a concrete pad, which would reduce the amount of vegetation/combustible materials on site. The proposed pump station site is predominantly flat with no significant slopes adjacent to the site. The proposed intertie site is located along Portola Parkway and does not feature any significant slopes or open space. The existing pump station (to be removed) is located adjacent to the existing IRWD Zone B East Reservoir, and is surrounded by vacant land designated as regional park/open space to the west and east, and community park/open space to the south. Due to the nature of the project (i.e., small demolition project in a paved area) and the small size of the existing pump station, it is not anticipated to exacerbate wildfire risk. Furthermore, no portion of the Project site is located within a VHFHSZ. Therefore, the proposed Project would neither increase nor exacerbate wildfire risks nor expose project occupants to pollutant concentrations from a wildfire within a VHFHSZ, and impacts would be less than significant. No mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*c) If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the Project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?*

The proposed Project would require the installation of a new intertie connection located along Portola Parkway, between El Toro Road and Saddleback Parkway. In addition, the proposed Project would require connection and improvements to existing on-site infrastructure systems. Although these utility connections and improvements would be extended throughout the Project site, they would primarily be located underground and would not exacerbate fire risk. Furthermore, the Project site is not located in or near State Responsibility Areas, and is not located within a VHFHSZ. Therefore, the proposed Project would not include infrastructure (e.g., roads, fuel breaks, emergency water sources, power lines, or other utilities) that would exacerbate fire risk or that

would result in impacts to the environment, and impacts would be less than significant. No mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

*d) If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the Project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?*

In its existing condition, the Project site is predominantly flat. According to the FEMA FIRM, the Project site is located within Zone X, Area of Minimal Flood Hazard. As described in Response 4.20 (a), the Project site is not located within a VHFHSZ. Additionally, as described in Response 4.7 (a) (iv), although the Project site is within a landslide zone,<sup>1</sup> the Project site is relatively flat and lacks significant slopes, and no significant slopes will be constructed as part of the Project. Therefore, downslope flooding as a result of runoff, post-fire slope instability, or drainage changes are unlikely to occur at the site. Furthermore, due to the developed nature of the Project site and distance from the nearest VHFHSZ, risks associated with wildfires are considered less than significant. The proposed Project would not expose people or structures to significant risks (including downslope or downstream flooding or landslides) as a result of runoff, post-fire slope instability, or drainage changes, and impacts would be less than significant. No mitigation is required.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

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<sup>1</sup> California Geological Survey. 1998. Laguna Beach Quadrangle Seismic Hazard Zones. April 15.

## 4.21 MANDATORY FINDINGS OF SIGNIFICANCE

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 4.21.1 Impact Analysis

*a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?*

The existing Project site consists primarily of bare ground and dirt pads surrounding an enclosed gravel area that was previously occupied by IRWD's Lake Forest Well No. 5. The purpose of the proposed Project is to improve the quality of water within IRWD's Zone B to C recycled water system. As described throughout the analysis in Chapter 4, with the incorporation of the identified mitigation measures, implementation of the proposed Project: (a) would not degrade the quality of the environment; (b) would not substantially reduce the habitats of fish or wildlife species; (c) would not cause a fish or wildlife population to drop below self-sustaining levels; (d) would not threaten to eliminate a plant or animal; and (e) would not eliminate important examples of major periods of California history or prehistory. With respect to the quality of the environment, the Project would not preclude the ability to achieve long-term environmental goals.

**Significance Determination:** Less than Significant with Mitigation Incorporated

**Mitigation Measures:** Refer to Mitigation Measures BIO-1, BIO-2, BIO-3, BIO-4, CUL-1, CUL-2, and PALEO-1.

- b) *Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)*

The existing Project site consists primarily of bare ground and dirt pads surrounding an enclosed gravel area that was previously occupied by IRWD's Lake Forest Well No. 5. The purpose of the proposed Project is to improve the quality of water within IRWD's Zone B to C recycled water system. Based on the Project Description and the preceding responses, impacts related to the proposed Project are less than significant or can be reduced to less than significant levels with incorporation of mitigation measures. The proposed Project's contribution to any significant cumulative impacts would be less than cumulatively considerable.

**Significance Determination:** Less Than Significant Impact

**Mitigation Measures:** No mitigation is required.

- c) *Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?*

The existing Project site consists primarily of bare ground and dirt pads surrounding an enclosed gravel area that was previously occupied by IRWD's Lake Forest Well No. 5. The purpose of the proposed Project is to improve the quality of water within IRWD's Zone B to C recycled water system. Based on the Project Description and the preceding responses, development of the proposed Project would not cause substantial adverse effects to human beings because all potentially significant impacts of the proposed Project can be mitigated to a less than significant level.

**Significance Determination:** Less than Significant with Mitigation Incorporated

**Mitigation Measures:** Refer to Mitigation Measures BIO-1, BIO-2, BIO-3, BIO-4, CUL-1, CUL-2, PALEO-1, TRA-1, and TCR-1.



## 5.0 MITIGATION MONITORING AND REPORTING PROGRAM

### 5.1 MITIGATION MONITORING REQUIREMENTS

Public Resources Code (PRC) Section 21081.6 (enacted by the passage of Assembly Bill [AB] 3180) mandates that the following requirements shall apply to all reporting or mitigation monitoring programs:

- The public agency shall adopt a reporting or monitoring program for the changes made to the Project or conditions of Project approval in order to mitigate or avoid significant effects on the environment. The reporting or monitoring program shall be designed to ensure compliance during Project implementation. For those changes which have been required or incorporated into the Project at the request of a Responsible Agency or a public agency having jurisdiction by law over natural resources affected by the Project, that agency shall, if so requested by the Lead Agency or a Responsible Agency, prepare and submit a proposed reporting or monitoring program.
- The Lead Agency shall specify the location and custodian of the documents or other material which constitute the record of proceedings upon which its decision is based. A public agency shall provide the measures to mitigate or avoid significant effects on the environment that are fully enforceable through permit conditions, agreements, or other measures. Conditions of Project approval may be set forth in referenced documents which address required mitigation measures or in the case of the adoption of a plan, policy, regulation, or other Project, by incorporating the mitigation measures into the plan, policy, regulation, or Project design.
- Prior to the close of the public review period for a draft Environmental Impact Report (EIR) or Mitigated Negative Declaration (MND), a Responsible Agency, or a public agency having jurisdiction over natural resources affected by the Project, shall either submit to the Lead Agency complete and detailed performance objectives for mitigation measures which would address the significant effects on the environment identified by the Responsible Agency or agency having jurisdiction over natural resources affected by the Project, or refer the Lead Agency to appropriate, readily available guidelines or reference documents. Any mitigation measures submitted to a Lead Agency by a Responsible Agency or an agency having jurisdiction over natural resources affected by the Project shall be limited to measures which mitigate impacts to resources which are subject to the statutory authority of, and definitions applicable to, that agency. Compliance or noncompliance by a Responsible Agency or agency having jurisdiction over natural resources affected by a Project with that requirement shall not limit that authority of the Responsible Agency or agency having jurisdiction over natural resources affected by a Project, or the authority of the Lead Agency, to approve, condition, or deny Projects as provided by this division or any other provision of law.

## 5.2 MITIGATION MONITORING PROCEDURES

The mitigation monitoring and reporting program has been prepared in compliance with PRC Section 21081.6. The program describes the requirements and procedures to be followed by IRWD to ensure that all mitigation measures adopted as part of the proposed Project would be carried out as described in this Initial Study/Mitigated Negative Declaration (IS/MND). Table 5.A lists each of the mitigation measures specified in this IS/MND and identifies the party or parties responsible for implementation and monitoring of each measure.

**Table 5.A: Mitigation and Monitoring Reporting Program**

Mitigation Measures	Responsible Party	Timing for Mitigation Measure
<b>4.1 Aesthetics</b>		
The proposed Project would not result in significant adverse impacts related to aesthetics. No mitigation would be required.		
<b>4.2 Agriculture and Forestry Resources</b>		
The proposed Project would not result in significant adverse impacts related to agriculture and forestry resources. No mitigation would be required.		
<b>4.3 Air Quality</b>		
The proposed Project would not result in significant adverse impacts related to air quality. No mitigation would be required.		
<b>4.4 Biological Resources</b>		
<b>BIO-1 General Nesting Bird Surveys and Avoidance of Active Nests.</b> In the event that any construction, vegetation clearing, or grading activities (including disking and demolition) should occur between February 1 and September 1, a qualified biologist should conduct a nesting bird survey within 5 days of commencement of construction activities to confirm the absence of nesting birds. If active nesting of birds is observed within 500 feet (ft) of the designated construction area during surveys, the biologist, in consultation with IRWD, will determine suitable buffers around the active nests (e.g., a minimum of 50 ft for passerines and 250 ft for raptors). The buffer areas must be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests. Prior to commencement of grading activities, IRWD shall verify that all Project grading and construction plans include specific documentation of compliance with the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code Section 3503. This would include completion of pre-construction survey reports that have been reviewed by staff and verification that appropriate buffers (if needed) have been noted on the plans and established in the field using orange snow fencing.	Construction Contractor and Project Biologist	During construction
<b>BIO-2 Roosting Bat Survey.</b> A qualified bat biologist should conduct a pre-construction roosting bat survey of the Project site and adjacent habitat to determine if any bats are present and to identify the need for any appropriate protective measures. This pre-construction roosting bat survey, consisting of a nighttime exit count and acoustic data collection, should be conducted during the bat maternity season (April 1 through August 31) well in advance of construction in order to provide adequate time for potential mitigation planning. To the greatest extent feasible, tree trimming/removal activities should be conducted outside the bat maternity season, which occurs from April 1 through August 31, to avoid direct impacts to nonvolant (flightless) young that may roost in trees within and adjacent to the Project site. If trimming or removal of trees during the bat maternity season (April 1 through August 31) cannot be avoided, a qualified biologist should monitor the tree removal or trimming activities.	Construction Contractor and Project Biologist	Pre-construction and during construction
<b>BIO-3 Construction Lighting.</b> No nighttime construction work should occur within 200 ft of Serrano Creek, and no construction lighting should be placed within 200 ft of Serrano Creek unless a qualified biologist confirms that the lighting does not illuminate Serrano Creek.	Construction Contractor and Project Biologist	During construction
<b>BIO-4 Invasive Shot Hole Borers (ISHBs).</b> A designated biologist familiar with the signs of ISHBs should survey trees on the Project site that are designated for removal or trimming. Surveys should be conducted at	Project Biologist	Pre-construction and during construction

**Table 5.A: Mitigation and Monitoring Reporting Program**

Mitigation Measures	Responsible Party	Timing for Mitigation Measure
<p>least 30 days prior to removal or trimming activities. If any tree is determined to be infested/infected by ISHBs, a control plan should be prepared and submitted to CDFW for review and approval. At a minimum, the control plan should include methods of control, removal, and appropriate disposal techniques to prevent the spread of ISHBs.</p>		
<p><b>4.5 Cultural Resources</b></p>		
<p><b>CUL-1 Cultural Resources.</b> Prior to commencement of construction activities, Irvine Ranch Water District shall verify that the Project includes requirements specifying that if archaeological resources are discovered during excavation, grading, or construction activities, work shall cease within 50 feet (ft) of the find until a qualified archaeologist from the Orange County List of Qualified Archaeologists has evaluated the find in accordance with federal, State, and local guidelines to determine whether the find constitutes a “unique archaeological resource,” as defined in Section 21083.2(g) of the California Public Resources Code (PRC). Personnel of the proposed Project shall not collect or move any archaeological materials and associated materials. Construction activity may continue unimpeded on other portions of the Project site. The found deposits shall be treated in accordance with federal, State, and local guidelines, including those set forth in PRC Section 21083.2.</p>	<p>Construction Contractor and Project Archaeologist</p>	<p>During construction</p>
<p><b>CUL-2 Human Remains.</b> In the unlikely event that human remains are encountered on the Project site, California Health and Safety Code 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to California PRC Section 5097.98. The County Coroner shall be notified immediately if any human remains are found. If the remains are determined to be prehistoric, the coroner shall notify the Native American Heritage Commission, which will determine and notify the Most Likely Descendant. With the permission of Irvine Ranch Water District (IRWD) or an authorized representative, the Most Likely Descendant may inspect the site of discovery. IRWD shall meet and confer with the Most Likely Descendant regarding their recommendations prior to disturbing the site with further construction activity.</p>	<p>Construction Contractor</p>	<p>During construction</p>
<p><b>4.6 Energy</b></p>		
<p>The proposed Project would not result in significant adverse impacts related to energy. No mitigation would be required.</p>		
<p><b>4.7 Geology and Soils</b></p>		
<p><b>PALEO-1 Paleontological Resources.</b> In the event that paleontological resources are encountered, work in the immediate area of the discovery shall be halted, and Irvine Ranch Water District (IRWD) shall retain a professional paleontologist who meets the qualifications established by the Society of Vertebrate Paleontology to assess the discovery. The qualified professional paleontologist shall make recommendations regarding the treatment and disposition of the discovered resources, as well as the need for subsequent paleontological mitigation, which may include, but not be limited to, paleontological monitoring; collection of observed resources; preservation, stabilization, and identification of collected resources; curation of scientifically significant resources into a museum repository, and preparation of a</p>	<p>Construction Contractor and Project Paleontologist</p>	<p>During construction</p>

**Table 5.A: Mitigation and Monitoring Reporting Program**

Mitigation Measures	Responsible Party	Timing for Mitigation Measure
monitoring report of findings.		
<b>4.8 Greenhouse Gas Emissions</b>		
The proposed Project would not result in significant adverse impacts related to greenhouse gas emissions. No mitigation would be required.		
<b>4.9 Hazards and Hazardous Materials</b>		
Refer to Mitigation Measure TRA-1.		
<b>4.10 Hydrology and Water Quality</b>		
The proposed Project would not result in significant adverse impacts related to hydrology and water quality. No mitigation would be required.		
<b>4.11 Land Use and Planning</b>		
The proposed Project would not result in significant adverse impacts related to land use and planning. No mitigation would be required.		
<b>4.12 Mineral Resources</b>		
The proposed Project would not result in significant adverse impacts related to mineral resources. No mitigation would be required.		
<b>4.13 Noise</b>		
<p><b>NOI-1 Construction Noise.</b> Prior to commencement of construction activities, Irvine Ranch Water District (IRWD) shall verify the proposed Project includes the following requirements to ensure that the greatest distance between noise sources and sensitive receptors during construction activities has been achieved:</p> <ul style="list-style-type: none"> <li>● Construction activities occurring as part of the Project shall be subject to the limitations and requirements of the City of Lake Forest Municipal Code, which states that construction activities are prohibited between the hours of 8:00 p.m. and 7:00 a.m. on weekdays, including Saturday, or at any time on Sunday or a legal City of Lake Forest holiday.</li> <li>● During all project area excavation and on-site grading, the project contractors shall equip all construction equipment, fixed or mobile, with properly operating and maintained mufflers consistent with manufacturers' standards.</li> <li>● To the best extent possible, the project contractor shall place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the Project area.</li> <li>● Construction staging areas shall be located as far away from sensitive receptors as possible during all phases of construction.</li> </ul>	IRWD	Pre-construction and during construction
<b>4.14 Population and Housing</b>		
The proposed Project would not result in significant adverse impacts related to population and housing. No mitigation would be required.		
<b>4.15 Public Services</b>		
The proposed Project would not result in significant adverse impacts related to public services. No mitigation would be required.		
<b>4.16 Recreation</b>		
The proposed Project would not result in significant adverse impacts related recreation. No mitigation would be required.		
<b>4.17 Transportation</b>		

**Table 5.A: Mitigation and Monitoring Reporting Program**

Mitigation Measures	Responsible Party	Timing for Mitigation Measure
<p><b>TRA-1 Construction Traffic Management Plan (CTMP).</b> Prior to commencement of grading activities, Irvine Ranch Water District (IRWD) shall prepare a CTMP and shall ensure that the plan is implemented during construction with the goal of maintaining acceptable intersection level of service (LOS) during peak traffic hours and ensuring that construction traffic does not queue on public roadways. The CTMP shall be consistent with the current California Temporary Traffic Control Handbook (CATTCH). At a minimum, the CTMP shall include, but not be limited to, the following:</p> <ul style="list-style-type: none"> <li>● Provisions for temporary traffic control to improve traffic flow on public roadways and ensure the safe access into and out of the site (e.g., warning signs, lights and devices, and flag person).</li> <li>● Prohibiting construction-related vehicles from parking on public streets.</li> <li>● Providing safety precautions for pedestrians and bicyclists through such measures as alternate routing and protection barriers.</li> <li>● Obtaining the required permits for truck haul routes from the City of Lake Forest.</li> <li>● All emergency access to the Project site and adjacent areas shall be kept clear and unobstructed during all phases of demolition and construction.</li> <li>● The Orange County Sheriff's Department and the Orange County Fire Authority (OCFA) shall be notified a minimum of 1 week (7 days) in advance of any lane closures or roadway work so that emergency vehicles can be rerouted during construction if deemed necessary in the expert opinion of the Orange County Sheriff's Department and/or OCFA.</li> <li>● The Orange County Transportation Authority (OCTA) shall be notified regarding any affected locations a minimum of 10 working days prior to construction so that transit service can be rerouted if deemed necessary in the expert opinion of OCTA.</li> </ul>	IRWD	Pre-construction and during construction
<b>4.18 Tribal Cultural Resources</b>		
<p><b>TCR-1 Unknown Tribal Cultural Resources.</b> Prior to the commencement of earthwork activities in sections that are outside of a previously ground-filled area, Irvine Ranch Water District (IRWD) shall provide written notification to the Native American representatives from the Gabrieleno Band of Mission Indians – Kizh Nation (“tribal representatives”) indicating the date of the commencement of earthwork activities. The tribal representatives shall be provided reasonable access to the Project site in a manner that does not interfere with the earthwork activities. Tribal representatives, at their own expense, and in a manner that does not interfere with earthwork activities, shall be allowed to observe subsurface ground-disturbing construction activities for the proposed pump station. If any tribal cultural resources are identified during the observation and if evidence is presented that the discovery proves to be potentially significant under the California Environmental Quality Act (CEQA), as determined by a qualified archaeologist, the tribal representatives, and the qualified archaeologist, in consultation with IRWD, shall determine the</p>	IRWD	During construction

**Table 5.A: Mitigation and Monitoring Reporting Program**

Mitigation Measures	Responsible Party	Timing for Mitigation Measure
appropriate actions for exploration and/or recovery.		
<b>4.19 Utilities and Service Systems</b>		
The proposed Project would not result in significant adverse impacts related to utilities and service systems. No mitigation would be required.		
<b>4.20 Wildfire</b>		
Refer to Mitigation Measure TRA-1.		

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## 6.0 LIST OF PREPARERS

### 6.1 IRVINE RANCH WATER DISTRICT

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Jo Ann Corey	Environmental Compliance Analyst
Richard Mori	Engineering Manager – Capital Projects
Joseph McGehee	Senior Engineer – Capital Projects
Marina Lindsay	Water Resources Planner

### 6.2 CONSULTANTS

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Emily Chebul	Assistant Paleontologist

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## **APPENDIX A**

# **CALEMOD OUTPUT WORKSHEETS**



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Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Annual

**Lake Forest Zone B To C Pump Station**  
**South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	2.28	1000sqft	0.05	2,284.00	0
Other Asphalt Surfaces	0.26	Acre	0.26	11,325.60	0
Other Non-Asphalt Surfaces	0.11	Acre	0.11	4,791.60	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

## Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Annual

## Project Characteristics -

Land Use - Pump Facility 1,784 sf plus estimated Surge Tank Pad 500 sf = 2,284 sf. Impervious surface total 0.31-acres. Site total 0.413-acres.

Construction Phase - Demo 1: Removal and capping of existing piping onsite. Trenching: represents off-site intertie work. Demo 2: Removal of the existing decommissioned pump station adjacent reservoir. Approximate construction over 12 month period.

## Off-road Equipment -

## Off-road Equipment -

Off-road Equipment - Demolition 1 removal of Well No. 5 infrastructure and capping of subterranean pipes.

Off-road Equipment - Demolition 2 removal of existing pump station adjacent to IRWD Zone B East Reservoir.

## Off-road Equipment -

Off-road Equipment - Intertie construction would occur off-site after the new pump station is completed. Conservative estimate approach to construction equipment for intertie site.

## Off-road Equipment -

## Off-road Equipment -

## Trips and VMT -

Demolition - Approximately 4 Tons of debris for removal per demolition phase.

Grading - 519 cy of imported soil per site plans. 350 cy of soil removed for intertie site.

Vehicle Trips - No employees would be present during operation. Only occasional service and inspection vehicles. Conservative estimate of 5 ADT.

Energy Use - No natural gas usage.

Construction Off-road Equipment Mitigation - Water exposed area at least three times daily as fugitive dust control measure.

## Area Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps - One 200 kW standby emergency generator (Approx 315 bhp). Routine maintenance and use estimate of 2 hours bi-weekly.

## Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	150.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	15.00
tblConstructionPhase	NumDays	1.00	10.00
tblEnergyUse	NT24NG	6.86	0.00
tblEnergyUse	T24NG	14.04	0.00
tblGrading	MaterialExported	0.00	350.00
tblGrading	MaterialImported	0.00	519.00
tblLandUse	LandUseSquareFeet	2,280.00	2,284.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	315.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	52.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.32	2.20
tblVehicleTrips	SU_TR	0.68	2.20
tblVehicleTrips	WD_TR	6.97	2.20

## 2.0 Emissions Summary

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Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	5-17-2021	8-16-2021	0.2988	0.2988
2	8-17-2021	11-16-2021	0.2994	0.2994
3	11-17-2021	2-16-2022	0.2727	0.2727
4	2-17-2022	5-16-2022	0.1824	0.1824
		Highest	0.2994	0.2994

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	0.0106	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	0.0000	7.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.1493	6.1493	2.5000e-004	5.0000e-005	6.1713
Mobile	1.5200e-003	7.6100e-003	0.0233	1.0000e-004	8.4400e-003	7.0000e-005	8.5100e-003	2.2600e-003	6.0000e-005	2.3200e-003	0.0000	8.8609	8.8609	3.9000e-004	0.0000	8.8706
Stationary	0.0134	0.0376	0.0343	6.0000e-005		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003	0.0000	6.2375	6.2375	8.7000e-004	0.0000	6.2593
Waste						0.0000	0.0000		0.0000	0.0000	0.5745	0.0000	0.5745	0.0340	0.0000	1.4232
Water						0.0000	0.0000		0.0000	0.0000	0.1673	2.1874	2.3547	0.0173	4.2000e-004	2.9129
<b>Total</b>	<b>0.0255</b>	<b>0.0452</b>	<b>0.0576</b>	<b>1.6000e-004</b>	<b>8.4400e-003</b>	<b>2.0500e-003</b>	<b>0.0105</b>	<b>2.2600e-003</b>	<b>2.0400e-003</b>	<b>4.3000e-003</b>	<b>0.7417</b>	<b>23.4352</b>	<b>24.1769</b>	<b>0.0527</b>	<b>4.7000e-004</b>	<b>25.6374</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Annual

**2.2 Overall Operational**

**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	0.0106	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	0.0000	7.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.1493	6.1493	2.5000e-004	5.0000e-005	6.1713
Mobile	1.5200e-003	7.6100e-003	0.0233	1.0000e-004	8.4400e-003	7.0000e-005	8.5100e-003	2.2600e-003	6.0000e-005	2.3200e-003	0.0000	8.8609	8.8609	3.9000e-004	0.0000	8.8706
Stationary	0.0134	0.0376	0.0343	6.0000e-005		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003	0.0000	6.2375	6.2375	8.7000e-004	0.0000	6.2593
Waste						0.0000	0.0000		0.0000	0.0000	0.5745	0.0000	0.5745	0.0340	0.0000	1.4232
Water						0.0000	0.0000		0.0000	0.0000	0.1673	2.1874	2.3547	0.0173	4.2000e-004	2.9129
<b>Total</b>	<b>0.0255</b>	<b>0.0452</b>	<b>0.0576</b>	<b>1.6000e-004</b>	<b>8.4400e-003</b>	<b>2.0500e-003</b>	<b>0.0105</b>	<b>2.2600e-003</b>	<b>2.0400e-003</b>	<b>4.3000e-003</b>	<b>0.7417</b>	<b>23.4352</b>	<b>24.1769</b>	<b>0.0527</b>	<b>4.7000e-004</b>	<b>25.6374</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

## Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition 1	Demolition	5/17/2021	5/21/2021	5	5	
2	Site Preparation	Site Preparation	5/22/2021	6/4/2021	5	10	
3	Grading	Grading	6/5/2021	7/2/2021	5	20	
4	Building Construction	Building Construction	7/3/2021	1/28/2022	5	150	
5	Paving	Paving	1/29/2022	2/18/2022	5	15	
6	Architectural Coating	Architectural Coating	2/19/2022	2/25/2022	5	5	
7	Intertie Trenching	Trenching	2/28/2022	4/8/2022	5	30	
8	Demolition 2	Demolition	4/11/2022	5/6/2022	5	20	

**Acres of Grading (Site Preparation Phase): 5**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0.37**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,426; Non-Residential Outdoor: 1,142; Striped Parking Area: 967 (Architectural Coating – sqft)**

**OffRoad Equipment**

## Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition 1	Rubber Tired Dozers	1	1.00	247	0.40
Demolition 1	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Intertie Trenching	Cement and Mortar Mixers	1	6.00	9	0.56
Intertie Trenching	Concrete/Industrial Saws	1	6.00	81	0.73
Intertie Trenching	Excavators	1	8.00	158	0.38
Intertie Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition 2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition 2	Rubber Tired Dozers	1	1.00	247	0.40
Demolition 2	Tractors/Loaders/Backhoes	2	6.00	97	0.37

Trips and VMT



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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 1	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	109.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Intertie Trenching	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition 2	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition 1 - 2021**

**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					4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0181	0.0189	3.0000e-005		1.0200e-003	1.0200e-003		9.7000e-004	9.7000e-004	0.0000	2.6023	2.6023	4.8000e-004	0.0000	2.6145
<b>Total</b>	<b>1.9900e-003</b>	<b>0.0181</b>	<b>0.0189</b>	<b>3.0000e-005</b>	<b>4.0000e-005</b>	<b>1.0200e-003</b>	<b>1.0600e-003</b>	<b>1.0000e-005</b>	<b>9.7000e-004</b>	<b>9.8000e-004</b>	<b>0.0000</b>	<b>2.6023</b>	<b>2.6023</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>2.6145</b>

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**3.2 Demolition 1 - 2021**

**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	1.0000e-004	8.0000e-005	8.7000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2389	0.2389	1.0000e-005	0.0000	0.2391
<b>Total</b>	<b>1.0000e-004</b>	<b>8.0000e-005</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>2.8000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.2389</b>	<b>0.2389</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2391</b>

**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					2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0181	0.0189	3.0000e-005		1.0200e-003	1.0200e-003		9.7000e-004	9.7000e-004	0.0000	2.6023	2.6023	4.8000e-004	0.0000	2.6145
<b>Total</b>	<b>1.9900e-003</b>	<b>0.0181</b>	<b>0.0189</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>1.0200e-003</b>	<b>1.0400e-003</b>	<b>0.0000</b>	<b>9.7000e-004</b>	<b>9.7000e-004</b>	<b>0.0000</b>	<b>2.6023</b>	<b>2.6023</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>2.6145</b>

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**3.2 Demolition 1 - 2021**

**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	1.0000e-004	8.0000e-005	8.7000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2389	0.2389	1.0000e-005	0.0000	0.2391
<b>Total</b>	<b>1.0000e-004</b>	<b>8.0000e-005</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>2.8000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.2389</b>	<b>0.2389</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2391</b>

**3.3 Site Preparation - 2021**

**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					2.6500e-003	0.0000	2.6500e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-003	0.0391	0.0201	5.0000e-005		1.5000e-003	1.5000e-003		1.3800e-003	1.3800e-003	0.0000	4.2755	4.2755	1.3800e-003	0.0000	4.3101
<b>Total</b>	<b>3.2000e-003</b>	<b>0.0391</b>	<b>0.0201</b>	<b>5.0000e-005</b>	<b>2.6500e-003</b>	<b>1.5000e-003</b>	<b>4.1500e-003</b>	<b>2.9000e-004</b>	<b>1.3800e-003</b>	<b>1.6700e-003</b>	<b>0.0000</b>	<b>4.2755</b>	<b>4.2755</b>	<b>1.3800e-003</b>	<b>0.0000</b>	<b>4.3101</b>

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**3.3 Site Preparation - 2021**

**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	1.0000e-004	8.0000e-005	8.7000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2389	0.2389	1.0000e-005	0.0000	0.2391
<b>Total</b>	<b>1.0000e-004</b>	<b>8.0000e-005</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>2.8000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.2389</b>	<b>0.2389</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2391</b>

**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					1.0300e-003	0.0000	1.0300e-003	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-003	0.0391	0.0201	5.0000e-005		1.5000e-003	1.5000e-003		1.3800e-003	1.3800e-003	0.0000	4.2755	4.2755	1.3800e-003	0.0000	4.3101
<b>Total</b>	<b>3.2000e-003</b>	<b>0.0391</b>	<b>0.0201</b>	<b>5.0000e-005</b>	<b>1.0300e-003</b>	<b>1.5000e-003</b>	<b>2.5300e-003</b>	<b>1.1000e-004</b>	<b>1.3800e-003</b>	<b>1.4900e-003</b>	<b>0.0000</b>	<b>4.2755</b>	<b>4.2755</b>	<b>1.3800e-003</b>	<b>0.0000</b>	<b>4.3101</b>

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**3.3 Site Preparation - 2021**

**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	1.0000e-004	8.0000e-005	8.7000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2389	0.2389	1.0000e-005	0.0000	0.2391
<b>Total</b>	<b>1.0000e-004</b>	<b>8.0000e-005</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>2.8000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.2389</b>	<b>0.2389</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2391</b>

**3.4 Grading - 2021**

**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					7.5800e-003	0.0000	7.5800e-003	4.1500e-003	0.0000	4.1500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9700e-003	0.0725	0.0757	1.2000e-004		4.0700e-003	4.0700e-003		3.8900e-003	3.8900e-003	0.0000	10.4093	10.4093	1.9400e-003	0.0000	10.4578
<b>Total</b>	<b>7.9700e-003</b>	<b>0.0725</b>	<b>0.0757</b>	<b>1.2000e-004</b>	<b>7.5800e-003</b>	<b>4.0700e-003</b>	<b>0.0117</b>	<b>4.1500e-003</b>	<b>3.8900e-003</b>	<b>8.0400e-003</b>	<b>0.0000</b>	<b>10.4093</b>	<b>10.4093</b>	<b>1.9400e-003</b>	<b>0.0000</b>	<b>10.4578</b>

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**3.4 Grading - 2021**

**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	4.0000e-004	0.0142	3.0100e-003	4.0000e-005	9.4000e-004	4.0000e-005	9.8000e-004	2.6000e-004	4.0000e-005	3.0000e-004	0.0000	4.0695	4.0695	2.8000e-004	0.0000	4.0765
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	4.2000e-004	3.1000e-004	3.4800e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9557	0.9557	3.0000e-005	0.0000	0.9563
<b>Total</b>	<b>8.2000e-004</b>	<b>0.0145</b>	<b>6.4900e-003</b>	<b>5.0000e-005</b>	<b>2.0400e-003</b>	<b>5.0000e-005</b>	<b>2.0900e-003</b>	<b>5.5000e-004</b>	<b>5.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>5.0252</b>	<b>5.0252</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>5.0328</b>

**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					2.9500e-003	0.0000	2.9500e-003	1.6200e-003	0.0000	1.6200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9700e-003	0.0725	0.0757	1.2000e-004		4.0700e-003	4.0700e-003		3.8900e-003	3.8900e-003	0.0000	10.4093	10.4093	1.9400e-003	0.0000	10.4578
<b>Total</b>	<b>7.9700e-003</b>	<b>0.0725</b>	<b>0.0757</b>	<b>1.2000e-004</b>	<b>2.9500e-003</b>	<b>4.0700e-003</b>	<b>7.0200e-003</b>	<b>1.6200e-003</b>	<b>3.8900e-003</b>	<b>5.5100e-003</b>	<b>0.0000</b>	<b>10.4093</b>	<b>10.4093</b>	<b>1.9400e-003</b>	<b>0.0000</b>	<b>10.4578</b>

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**3.4 Grading - 2021**

**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	4.0000e-004	0.0142	3.0100e-003	4.0000e-005	9.4000e-004	4.0000e-005	9.8000e-004	2.6000e-004	4.0000e-005	3.0000e-004	0.0000	4.0695	4.0695	2.8000e-004	0.0000	4.0765
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	4.2000e-004	3.1000e-004	3.4800e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9557	0.9557	3.0000e-005	0.0000	0.9563
<b>Total</b>	<b>8.2000e-004</b>	<b>0.0145</b>	<b>6.4900e-003</b>	<b>5.0000e-005</b>	<b>2.0400e-003</b>	<b>5.0000e-005</b>	<b>2.0900e-003</b>	<b>5.5000e-004</b>	<b>5.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>5.0252</b>	<b>5.0252</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>5.0328</b>

**3.5 Building Construction - 2021**

**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	0.0504	0.5190	0.4721	7.4000e-004		0.0291	0.0291		0.0268	0.0268	0.0000	65.0533	65.0533	0.0210	0.0000	65.5793
<b>Total</b>	<b>0.0504</b>	<b>0.5190</b>	<b>0.4721</b>	<b>7.4000e-004</b>		<b>0.0291</b>	<b>0.0291</b>		<b>0.0268</b>	<b>0.0268</b>	<b>0.0000</b>	<b>65.0533</b>	<b>65.0533</b>	<b>0.0210</b>	<b>0.0000</b>	<b>65.5793</b>

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**3.5 Building Construction - 2021**

**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	5.5000e-004	0.0189	4.6800e-003	5.0000e-005	1.2300e-003	4.0000e-005	1.2700e-003	3.5000e-004	4.0000e-005	3.9000e-004	0.0000	4.7609	4.7609	3.0000e-004	0.0000	4.7684
Worker	2.1700e-003	1.6000e-003	0.0181	5.0000e-005	5.7100e-003	4.0000e-005	5.7500e-003	1.5200e-003	4.0000e-005	1.5500e-003	0.0000	4.9694	4.9694	1.3000e-004	0.0000	4.9728
<b>Total</b>	<b>2.7200e-003</b>	<b>0.0205</b>	<b>0.0228</b>	<b>1.0000e-004</b>	<b>6.9400e-003</b>	<b>8.0000e-005</b>	<b>7.0200e-003</b>	<b>1.8700e-003</b>	<b>8.0000e-005</b>	<b>1.9400e-003</b>	<b>0.0000</b>	<b>9.7303</b>	<b>9.7303</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>9.7411</b>

**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	0.0504	0.5190	0.4721	7.4000e-004		0.0291	0.0291		0.0268	0.0268	0.0000	65.0533	65.0533	0.0210	0.0000	65.5792
<b>Total</b>	<b>0.0504</b>	<b>0.5190</b>	<b>0.4721</b>	<b>7.4000e-004</b>		<b>0.0291</b>	<b>0.0291</b>		<b>0.0268</b>	<b>0.0268</b>	<b>0.0000</b>	<b>65.0533</b>	<b>65.0533</b>	<b>0.0210</b>	<b>0.0000</b>	<b>65.5792</b>



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**3.5 Building Construction - 2021**

**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	5.5000e-004	0.0189	4.6800e-003	5.0000e-005	1.2300e-003	4.0000e-005	1.2700e-003	3.5000e-004	4.0000e-005	3.9000e-004	0.0000	4.7609	4.7609	3.0000e-004	0.0000	4.7684
Worker	2.1700e-003	1.6000e-003	0.0181	5.0000e-005	5.7100e-003	4.0000e-005	5.7500e-003	1.5200e-003	4.0000e-005	1.5500e-003	0.0000	4.9694	4.9694	1.3000e-004	0.0000	4.9728
<b>Total</b>	<b>2.7200e-003</b>	<b>0.0205</b>	<b>0.0228</b>	<b>1.0000e-004</b>	<b>6.9400e-003</b>	<b>8.0000e-005</b>	<b>7.0200e-003</b>	<b>1.8700e-003</b>	<b>8.0000e-005</b>	<b>1.9400e-003</b>	<b>0.0000</b>	<b>9.7303</b>	<b>9.7303</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>9.7411</b>

**3.5 Building Construction - 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	6.8600e-003	0.0703	0.0715	1.1000e-004		3.7200e-003	3.7200e-003		3.4200e-003	3.4200e-003	0.0000	10.0148	10.0148	3.2400e-003	0.0000	10.0957
<b>Total</b>	<b>6.8600e-003</b>	<b>0.0703</b>	<b>0.0715</b>	<b>1.1000e-004</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>		<b>3.4200e-003</b>	<b>3.4200e-003</b>	<b>0.0000</b>	<b>10.0148</b>	<b>10.0148</b>	<b>3.2400e-003</b>	<b>0.0000</b>	<b>10.0957</b>

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**3.5 Building Construction - 2022**

**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	8.0000e-005	2.7500e-003	6.8000e-004	1.0000e-005	1.9000e-004	1.0000e-005	1.9000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.7260	0.7260	4.0000e-005	0.0000	0.7271
Worker	3.1000e-004	2.2000e-004	2.5700e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7371	0.7371	2.0000e-005	0.0000	0.7376
<b>Total</b>	<b>3.9000e-004</b>	<b>2.9700e-003</b>	<b>3.2500e-003</b>	<b>2.0000e-005</b>	<b>1.0700e-003</b>	<b>2.0000e-005</b>	<b>1.0700e-003</b>	<b>2.8000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>1.4631</b>	<b>1.4631</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.4647</b>

**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	6.8600e-003	0.0703	0.0715	1.1000e-004		3.7200e-003	3.7200e-003		3.4200e-003	3.4200e-003	0.0000	10.0148	10.0148	3.2400e-003	0.0000	10.0957
<b>Total</b>	<b>6.8600e-003</b>	<b>0.0703</b>	<b>0.0715</b>	<b>1.1000e-004</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>		<b>3.4200e-003</b>	<b>3.4200e-003</b>	<b>0.0000</b>	<b>10.0148</b>	<b>10.0148</b>	<b>3.2400e-003</b>	<b>0.0000</b>	<b>10.0957</b>

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**3.5 Building Construction - 2022**

**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	8.0000e-005	2.7500e-003	6.8000e-004	1.0000e-005	1.9000e-004	1.0000e-005	1.9000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.7260	0.7260	4.0000e-005	0.0000	0.7271
Worker	3.1000e-004	2.2000e-004	2.5700e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7371	0.7371	2.0000e-005	0.0000	0.7376
<b>Total</b>	<b>3.9000e-004</b>	<b>2.9700e-003</b>	<b>3.2500e-003</b>	<b>2.0000e-005</b>	<b>1.0700e-003</b>	<b>2.0000e-005</b>	<b>1.0700e-003</b>	<b>2.8000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>1.4631</b>	<b>1.4631</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.4647</b>

**3.6 Paving - 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	4.8500e-003	0.0444	0.0528	8.0000e-005		2.2200e-003	2.2200e-003		2.0700e-003	2.0700e-003	0.0000	7.0476	7.0476	2.0500e-003	0.0000	7.0990
Paving	3.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.1900e-003</b>	<b>0.0444</b>	<b>0.0528</b>	<b>8.0000e-005</b>		<b>2.2200e-003</b>	<b>2.2200e-003</b>		<b>2.0700e-003</b>	<b>2.0700e-003</b>	<b>0.0000</b>	<b>7.0476</b>	<b>7.0476</b>	<b>2.0500e-003</b>	<b>0.0000</b>	<b>7.0990</b>

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**3.6 Paving - 2022**

**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	5.3000e-004	3.8000e-004	4.3400e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2439	1.2439	3.0000e-005	0.0000	1.2447
<b>Total</b>	<b>5.3000e-004</b>	<b>3.8000e-004</b>	<b>4.3400e-003</b>	<b>1.0000e-005</b>	<b>1.4800e-003</b>	<b>1.0000e-005</b>	<b>1.4900e-003</b>	<b>3.9000e-004</b>	<b>1.0000e-005</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>1.2439</b>	<b>1.2439</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.2447</b>

**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	4.8500e-003	0.0444	0.0528	8.0000e-005		2.2200e-003	2.2200e-003		2.0700e-003	2.0700e-003	0.0000	7.0476	7.0476	2.0500e-003	0.0000	7.0990
Paving	3.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.1900e-003</b>	<b>0.0444</b>	<b>0.0528</b>	<b>8.0000e-005</b>		<b>2.2200e-003</b>	<b>2.2200e-003</b>		<b>2.0700e-003</b>	<b>2.0700e-003</b>	<b>0.0000</b>	<b>7.0476</b>	<b>7.0476</b>	<b>2.0500e-003</b>	<b>0.0000</b>	<b>7.0990</b>

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**3.6 Paving - 2022**

**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	5.3000e-004	3.8000e-004	4.3400e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2439	1.2439	3.0000e-005	0.0000	1.2447
<b>Total</b>	<b>5.3000e-004</b>	<b>3.8000e-004</b>	<b>4.3400e-003</b>	<b>1.0000e-005</b>	<b>1.4800e-003</b>	<b>1.0000e-005</b>	<b>1.4900e-003</b>	<b>3.9000e-004</b>	<b>1.0000e-005</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>1.2439</b>	<b>1.2439</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.2447</b>

**3.7 Architectural Coating - 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					
Archit. Coating	0.0128					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
<b>Total</b>	<b>0.0133</b>	<b>3.5200e-003</b>	<b>4.5300e-003</b>	<b>1.0000e-005</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.6383</b>	<b>0.6383</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.6394</b>

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**3.7 Architectural Coating - 2022**

**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	2.0000e-005	1.0000e-005	1.6000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0461	0.0461	0.0000	0.0000	0.0461
<b>Total</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0461</b>	<b>0.0461</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0461</b>

**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	0.0128					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
<b>Total</b>	<b>0.0133</b>	<b>3.5200e-003</b>	<b>4.5300e-003</b>	<b>1.0000e-005</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.6383</b>	<b>0.6383</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.6394</b>

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**3.7 Architectural Coating - 2022**

**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	2.0000e-005	1.0000e-005	1.6000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0461	0.0461	0.0000	0.0000	0.0461
<b>Total</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0461</b>	<b>0.0461</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0461</b>

**3.8 Intertie Trenching - 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	0.0102	0.0874	0.1271	2.0000e-004		4.4900e-003	4.4900e-003		4.2800e-003	4.2800e-003	0.0000	17.4675	17.4675	3.9100e-003	0.0000	17.5652
<b>Total</b>	<b>0.0102</b>	<b>0.0874</b>	<b>0.1271</b>	<b>2.0000e-004</b>		<b>4.4900e-003</b>	<b>4.4900e-003</b>		<b>4.2800e-003</b>	<b>4.2800e-003</b>	<b>0.0000</b>	<b>17.4675</b>	<b>17.4675</b>	<b>3.9100e-003</b>	<b>0.0000</b>	<b>17.5652</b>

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**3.8 Intertie Trenching - 2022**

**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	5.9000e-004	4.2000e-004	4.8300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3821	1.3821	3.0000e-005	0.0000	1.3830
<b>Total</b>	<b>5.9000e-004</b>	<b>4.2000e-004</b>	<b>4.8300e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.3821</b>	<b>1.3821</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.3830</b>

**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	0.0102	0.0874	0.1271	2.0000e-004		4.4900e-003	4.4900e-003		4.2800e-003	4.2800e-003	0.0000	17.4675	17.4675	3.9100e-003	0.0000	17.5652
<b>Total</b>	<b>0.0102</b>	<b>0.0874</b>	<b>0.1271</b>	<b>2.0000e-004</b>		<b>4.4900e-003</b>	<b>4.4900e-003</b>		<b>4.2800e-003</b>	<b>4.2800e-003</b>	<b>0.0000</b>	<b>17.4675</b>	<b>17.4675</b>	<b>3.9100e-003</b>	<b>0.0000</b>	<b>17.5652</b>



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**3.8 Intertie Trenching - 2022**

**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	5.9000e-004	4.2000e-004	4.8300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3821	1.3821	3.0000e-005	0.0000	1.3830
<b>Total</b>	<b>5.9000e-004</b>	<b>4.2000e-004</b>	<b>4.8300e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.3821</b>	<b>1.3821</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.3830</b>

**3.9 Demolition 2 - 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					4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0900e-003	0.0641	0.0747	1.2000e-004		3.3800e-003	3.3800e-003		3.2300e-003	3.2300e-003	0.0000	10.4136	10.4136	1.9200e-003	0.0000	10.4617
<b>Total</b>	<b>7.0900e-003</b>	<b>0.0641</b>	<b>0.0747</b>	<b>1.2000e-004</b>	<b>4.0000e-005</b>	<b>3.3800e-003</b>	<b>3.4200e-003</b>	<b>1.0000e-005</b>	<b>3.2300e-003</b>	<b>3.2400e-003</b>	<b>0.0000</b>	<b>10.4136</b>	<b>10.4136</b>	<b>1.9200e-003</b>	<b>0.0000</b>	<b>10.4617</b>

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**3.9 Demolition 2 - 2022**

**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	3.9000e-004	2.8000e-004	3.2200e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9214	0.9214	2.0000e-005	0.0000	0.9220
<b>Total</b>	<b>3.9000e-004</b>	<b>2.8000e-004</b>	<b>3.2200e-003</b>	<b>1.0000e-005</b>	<b>1.1000e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.9214</b>	<b>0.9214</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.9220</b>

**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					2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0900e-003	0.0641	0.0747	1.2000e-004		3.3800e-003	3.3800e-003		3.2300e-003	3.2300e-003	0.0000	10.4136	10.4136	1.9200e-003	0.0000	10.4616
<b>Total</b>	<b>7.0900e-003</b>	<b>0.0641</b>	<b>0.0747</b>	<b>1.2000e-004</b>	<b>2.0000e-005</b>	<b>3.3800e-003</b>	<b>3.4000e-003</b>	<b>0.0000</b>	<b>3.2300e-003</b>	<b>3.2300e-003</b>	<b>0.0000</b>	<b>10.4136</b>	<b>10.4136</b>	<b>1.9200e-003</b>	<b>0.0000</b>	<b>10.4616</b>

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**3.9 Demolition 2 - 2022**

**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	3.9000e-004	2.8000e-004	3.2200e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9214	0.9214	2.0000e-005	0.0000	0.9220
<b>Total</b>	<b>3.9000e-004</b>	<b>2.8000e-004</b>	<b>3.2200e-003</b>	<b>1.0000e-005</b>	<b>1.1000e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.9214</b>	<b>0.9214</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.9220</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.5200e-003	7.6100e-003	0.0233	1.0000e-004	8.4400e-003	7.0000e-005	8.5100e-003	2.2600e-003	6.0000e-005	2.3200e-003	0.0000	8.8609	8.8609	3.9000e-004	0.0000	8.8706
Unmitigated	1.5200e-003	7.6100e-003	0.0233	1.0000e-004	8.4400e-003	7.0000e-005	8.5100e-003	2.2600e-003	6.0000e-005	2.3200e-003	0.0000	8.8609	8.8609	3.9000e-004	0.0000	8.8706

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	5.02	5.02	5.02	22,212	22,212
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	5.02	5.02	5.02	22,212	22,212

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix





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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			
General Light Industry	19299.8	6.1493	2.5000e-004	5.0000e-005	6.1713
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.1493</b>	<b>2.5000e-004</b>	<b>5.0000e-005</b>	<b>6.1713</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	19299.8	6.1493	2.5000e-004	5.0000e-005	6.1713
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.1493</b>	<b>2.5000e-004</b>	<b>5.0000e-005</b>	<b>6.1713</b>

**6.0 Area Detail**

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**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	0.0106	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	0.0000	7.0000e-005
Unmitigated	0.0106	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	0.0000	7.0000e-005

**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	1.2800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.3000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	0.0000	7.0000e-005
<b>Total</b>	<b>0.0106</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.0000e-005</b>



Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Annual

**6.2 Area by SubCategory**

**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	1.2800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.3000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	0.0000	7.0000e-005
<b>Total</b>	<b>0.0106</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.0000e-005</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.3547	0.0173	4.2000e-004	2.9129
Unmitigated	2.3547	0.0173	4.2000e-004	2.9129

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.52725 / 0	2.3547	0.0173	4.2000e-004	2.9129
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.3547</b>	<b>0.0173</b>	<b>4.2000e-004</b>	<b>2.9129</b>

## Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Annual

**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.52725 / 0	2.3547	0.0173	4.2000e-004	2.9129
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.3547</b>	<b>0.0173</b>	<b>4.2000e-004</b>	<b>2.9129</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.5745	0.0340	0.0000	1.4232
Unmitigated	0.5745	0.0340	0.0000	1.4232

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	2.83	0.5745	0.0340	0.0000	1.4232
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.5745</b>	<b>0.0340</b>	<b>0.0000</b>	<b>1.4232</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Annual

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	2.83	0.5745	0.0340	0.0000	1.4232
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.5745</b>	<b>0.0340</b>	<b>0.0000</b>	<b>1.4232</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	52	315	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Annual

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (300 - 600 HP)	0.0134	0.0376	0.0343	6.0000e-005		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003	0.0000	6.2375	6.2375	8.7000e-004	0.0000	6.2593
<b>Total</b>	<b>0.0134</b>	<b>0.0376</b>	<b>0.0343</b>	<b>6.0000e-005</b>		<b>1.9800e-003</b>	<b>1.9800e-003</b>		<b>1.9800e-003</b>	<b>1.9800e-003</b>	<b>0.0000</b>	<b>6.2375</b>	<b>6.2375</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>6.2593</b>

**11.0 Vegetation**

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Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**Lake Forest Zone B To C Pump Station**  
**South Coast AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	2.28	1000sqft	0.05	2,284.00	0
Other Asphalt Surfaces	0.26	Acre	0.26	11,325.60	0
Other Non-Asphalt Surfaces	0.11	Acre	0.11	4,791.60	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

## Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

## Project Characteristics -

Land Use - Pump Facility 1,784 sf plus estimated Surge Tank Pad 500 sf = 2,284 sf. Impervious surface total 0.31-acres. Site total 0.413-acres.

Construction Phase - Demo 1: Removal and capping of existing piping onsite. Trenching: represents off-site intertie work. Demo 2: Removal of the existing decommissioned pump station adjacent reservoir. Approximate construction over 12 month period.

## Off-road Equipment -

## Off-road Equipment -

Off-road Equipment - Demolition 1 removal of Well No. 5 infrastructure and capping of subterranean pipes.

Off-road Equipment - Demolition 2 removal of existing pump station adjacent to IRWD Zone B East Reservoir.

## Off-road Equipment -

Off-road Equipment - Intertie construction would occur off-site after the new pump station is completed. Conservative estimate approach to construction equipment for intertie site.

## Off-road Equipment -

## Off-road Equipment -

## Trips and VMT -

Demolition - Approximately 4 Tons of debris for removal per demolition phase.

Grading - 519 cy of imported soil per site plans. 350 cy of soil removed for intertie site.

Vehicle Trips - No employees would be present during operation. Only occasional service and inspection vehicles. Conservative estimate of 5 ADT.

Energy Use - No natural gas usage.

Construction Off-road Equipment Mitigation - Water exposed area at least three times daily as fugitive dust control measure.

## Area Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps - One 200 kW standby emergency generator (Approx 315 bhp). Routine maintenance and use estimate of 2 hours bi-weekly.



## Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	150.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	15.00
tblConstructionPhase	NumDays	1.00	10.00
tblEnergyUse	NT24NG	6.86	0.00
tblEnergyUse	T24NG	14.04	0.00
tblGrading	MaterialExported	0.00	350.00
tblGrading	MaterialImported	0.00	519.00
tblLandUse	LandUseSquareFeet	2,280.00	2,284.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	315.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	52.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.32	2.20
tblVehicleTrips	SU_TR	0.68	2.20
tblVehicleTrips	WD_TR	6.97	2.20

## 2.0 Emissions Summary

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Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**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	0.0580	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.8000e-004	5.8000e-004	0.0000		6.2000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	8.9700e-003	0.0401	0.1361	5.5000e-004	0.0472	3.7000e-004	0.0476	0.0126	3.4000e-004	0.0130		55.8263	55.8263	2.3700e-003		55.8857
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0670</b>	<b>0.0401</b>	<b>0.1363</b>	<b>5.5000e-004</b>	<b>0.0472</b>	<b>3.7000e-004</b>	<b>0.0476</b>	<b>0.0126</b>	<b>3.4000e-004</b>	<b>0.0130</b>		<b>55.8269</b>	<b>55.8269</b>	<b>2.3700e-003</b>	<b>0.0000</b>	<b>55.8863</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**2.2 Overall Operational**

**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	0.0580	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.8000e-004	5.8000e-004	0.0000		6.2000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	8.9700e-003	0.0401	0.1361	5.5000e-004	0.0472	3.7000e-004	0.0476	0.0126	3.4000e-004	0.0130		55.8263	55.8263	2.3700e-003		55.8857
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0670</b>	<b>0.0401</b>	<b>0.1363</b>	<b>5.5000e-004</b>	<b>0.0472</b>	<b>3.7000e-004</b>	<b>0.0476</b>	<b>0.0126</b>	<b>3.4000e-004</b>	<b>0.0130</b>		<b>55.8269</b>	<b>55.8269</b>	<b>2.3700e-003</b>	<b>0.0000</b>	<b>55.8863</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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

**3.0 Construction Detail**

**Construction Phase**

## Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition 1	Demolition	5/17/2021	5/21/2021	5	5	
2	Site Preparation	Site Preparation	5/22/2021	6/4/2021	5	10	
3	Grading	Grading	6/5/2021	7/2/2021	5	20	
4	Building Construction	Building Construction	7/3/2021	1/28/2022	5	150	
5	Paving	Paving	1/29/2022	2/18/2022	5	15	
6	Architectural Coating	Architectural Coating	2/19/2022	2/25/2022	5	5	
7	Intertie Trenching	Trenching	2/28/2022	4/8/2022	5	30	
8	Demolition 2	Demolition	4/11/2022	5/6/2022	5	20	

**Acres of Grading (Site Preparation Phase): 5**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0.37**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,426; Non-Residential Outdoor: 1,142; Striped Parking Area: 967 (Architectural Coating – sqft)**

**OffRoad Equipment**

## Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition 1	Rubber Tired Dozers	1	1.00	247	0.40
Demolition 1	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Intertie Trenching	Cement and Mortar Mixers	1	6.00	9	0.56
Intertie Trenching	Concrete/Industrial Saws	1	6.00	81	0.73
Intertie Trenching	Excavators	1	8.00	158	0.38
Intertie Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition 2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition 2	Rubber Tired Dozers	1	1.00	247	0.40
Demolition 2	Tractors/Loaders/Backhoes	2	6.00	97	0.37

Trips and VMT

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

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 1	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	109.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Intertie Trenching	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition 2	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition 1 - 2021**

**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					0.0171	0.0000	0.0171	2.5900e-003	0.0000	2.5900e-003			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>	<b>0.0171</b>	<b>0.4073</b>	<b>0.4245</b>	<b>2.5900e-003</b>	<b>0.3886</b>	<b>0.3912</b>		<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.2 Demolition 1 - 2021**

**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
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
Worker	0.0422	0.0274	0.3767	1.1100e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		110.7403	110.7403	2.9800e-003		110.8148
<b>Total</b>	<b>0.0422</b>	<b>0.0274</b>	<b>0.3767</b>	<b>1.1100e-003</b>	<b>0.1118</b>	<b>8.2000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.6000e-004</b>	<b>0.0304</b>		<b>110.7403</b>	<b>110.7403</b>	<b>2.9800e-003</b>		<b>110.8148</b>

**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					6.6800e-003	0.0000	6.6800e-003	1.0100e-003	0.0000	1.0100e-003			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>	<b>6.6800e-003</b>	<b>0.4073</b>	<b>0.4140</b>	<b>1.0100e-003</b>	<b>0.3886</b>	<b>0.3896</b>	<b>0.0000</b>	<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>



Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.2 Demolition 1 - 2021**

**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
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
Worker	0.0422	0.0274	0.3767	1.1100e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		110.7403	110.7403	2.9800e-003		110.8148
<b>Total</b>	<b>0.0422</b>	<b>0.0274</b>	<b>0.3767</b>	<b>1.1100e-003</b>	<b>0.1118</b>	<b>8.2000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.6000e-004</b>	<b>0.0304</b>		<b>110.7403</b>	<b>110.7403</b>	<b>2.9800e-003</b>		<b>110.8148</b>

**3.3 Site Preparation - 2021**

**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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
<b>Total</b>	<b>0.6403</b>	<b>7.8204</b>	<b>4.0274</b>	<b>9.7300e-003</b>	<b>0.5303</b>	<b>0.2995</b>	<b>0.8297</b>	<b>0.0573</b>	<b>0.2755</b>	<b>0.3328</b>		<b>942.5842</b>	<b>942.5842</b>	<b>0.3049</b>		<b>950.2055</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.3 Site Preparation - 2021**

**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
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
Worker	0.0211	0.0137	0.1884	5.6000e-004	0.0559	4.1000e-004	0.0563	0.0148	3.8000e-004	0.0152		55.3702	55.3702	1.4900e-003		55.4074
<b>Total</b>	<b>0.0211</b>	<b>0.0137</b>	<b>0.1884</b>	<b>5.6000e-004</b>	<b>0.0559</b>	<b>4.1000e-004</b>	<b>0.0563</b>	<b>0.0148</b>	<b>3.8000e-004</b>	<b>0.0152</b>		<b>55.3702</b>	<b>55.3702</b>	<b>1.4900e-003</b>		<b>55.4074</b>

**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					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
<b>Total</b>	<b>0.6403</b>	<b>7.8204</b>	<b>4.0274</b>	<b>9.7300e-003</b>	<b>0.2068</b>	<b>0.2995</b>	<b>0.5063</b>	<b>0.0223</b>	<b>0.2755</b>	<b>0.2978</b>	<b>0.0000</b>	<b>942.5842</b>	<b>942.5842</b>	<b>0.3049</b>		<b>950.2055</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.3 Site Preparation - 2021**

**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
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
Worker	0.0211	0.0137	0.1884	5.6000e-004	0.0559	4.1000e-004	0.0563	0.0148	3.8000e-004	0.0152		55.3702	55.3702	1.4900e-003		55.4074
<b>Total</b>	<b>0.0211</b>	<b>0.0137</b>	<b>0.1884</b>	<b>5.6000e-004</b>	<b>0.0559</b>	<b>4.1000e-004</b>	<b>0.0563</b>	<b>0.0148</b>	<b>3.8000e-004</b>	<b>0.0152</b>		<b>55.3702</b>	<b>55.3702</b>	<b>1.4900e-003</b>		<b>55.4074</b>

**3.4 Grading - 2021**

**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					0.7577	0.0000	0.7577	0.4145	0.0000	0.4145			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>	<b>0.7577</b>	<b>0.4073</b>	<b>1.1650</b>	<b>0.4145</b>	<b>0.3886</b>	<b>0.8031</b>		<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.4 Grading - 2021**

**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	0.0395	1.3788	0.2919	4.1800e-003	0.0952	4.2700e-003	0.0995	0.0261	4.0900e-003	0.0302		452.0991	452.0991	0.0302		452.8531
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
Worker	0.0422	0.0274	0.3767	1.1100e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		110.7403	110.7403	2.9800e-003		110.8148
<b>Total</b>	<b>0.0818</b>	<b>1.4062</b>	<b>0.6686</b>	<b>5.2900e-003</b>	<b>0.2070</b>	<b>5.0900e-003</b>	<b>0.2121</b>	<b>0.0557</b>	<b>4.8500e-003</b>	<b>0.0606</b>		<b>562.8394</b>	<b>562.8394</b>	<b>0.0331</b>		<b>563.6679</b>

**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					0.2955	0.0000	0.2955	0.1617	0.0000	0.1617			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>	<b>0.2955</b>	<b>0.4073</b>	<b>0.7028</b>	<b>0.1617</b>	<b>0.3886</b>	<b>0.5503</b>	<b>0.0000</b>	<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.4 Grading - 2021**

**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	0.0395	1.3788	0.2919	4.1800e-003	0.0952	4.2700e-003	0.0995	0.0261	4.0900e-003	0.0302		452.0991	452.0991	0.0302		452.8531
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
Worker	0.0422	0.0274	0.3767	1.1100e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		110.7403	110.7403	2.9800e-003		110.8148
<b>Total</b>	<b>0.0818</b>	<b>1.4062</b>	<b>0.6686</b>	<b>5.2900e-003</b>	<b>0.2070</b>	<b>5.0900e-003</b>	<b>0.2121</b>	<b>0.0557</b>	<b>4.8500e-003</b>	<b>0.0606</b>		<b>562.8394</b>	<b>562.8394</b>	<b>0.0331</b>		<b>563.6679</b>

**3.5 Building Construction - 2021**

**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	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
<b>Total</b>	<b>0.7750</b>	<b>7.9850</b>	<b>7.2637</b>	<b>0.0114</b>		<b>0.4475</b>	<b>0.4475</b>		<b>0.4117</b>	<b>0.4117</b>		<b>1,103.2158</b>	<b>1,103.2158</b>	<b>0.3568</b>		<b>1,112.1358</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.5 Building Construction - 2021**

**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
Vendor	8.3500e-003	0.2861	0.0679	7.7000e-004	0.0192	5.8000e-004	0.0198	5.5300e-003	5.5000e-004	6.0800e-003		81.7315	81.7315	4.9400e-003		81.8551
Worker	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518
<b>Total</b>	<b>0.0421</b>	<b>0.3080</b>	<b>0.3693</b>	<b>1.6600e-003</b>	<b>0.1086</b>	<b>1.2400e-003</b>	<b>0.1099</b>	<b>0.0292</b>	<b>1.1600e-003</b>	<b>0.0304</b>		<b>170.3238</b>	<b>170.3238</b>	<b>7.3200e-003</b>		<b>170.5070</b>

**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	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
<b>Total</b>	<b>0.7750</b>	<b>7.9850</b>	<b>7.2637</b>	<b>0.0114</b>		<b>0.4475</b>	<b>0.4475</b>		<b>0.4117</b>	<b>0.4117</b>	<b>0.0000</b>	<b>1,103.2158</b>	<b>1,103.2158</b>	<b>0.3568</b>		<b>1,112.1358</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.5 Building Construction - 2021**

**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
Vendor	8.3500e-003	0.2861	0.0679	7.7000e-004	0.0192	5.8000e-004	0.0198	5.5300e-003	5.5000e-004	6.0800e-003		81.7315	81.7315	4.9400e-003		81.8551
Worker	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518
<b>Total</b>	<b>0.0421</b>	<b>0.3080</b>	<b>0.3693</b>	<b>1.6600e-003</b>	<b>0.1086</b>	<b>1.2400e-003</b>	<b>0.1099</b>	<b>0.0292</b>	<b>1.1600e-003</b>	<b>0.0304</b>		<b>170.3238</b>	<b>170.3238</b>	<b>7.3200e-003</b>		<b>170.5070</b>

**3.5 Building Construction - 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	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652
<b>Total</b>	<b>0.6863</b>	<b>7.0258</b>	<b>7.1527</b>	<b>0.0114</b>		<b>0.3719</b>	<b>0.3719</b>		<b>0.3422</b>	<b>0.3422</b>		<b>1,103.9393</b>	<b>1,103.9393</b>	<b>0.3570</b>		<b>1,112.8652</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.5 Building Construction - 2022**

**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
Vendor	7.8300e-003	0.2716	0.0642	7.6000e-004	0.0192	5.0000e-004	0.0197	5.5300e-003	4.8000e-004	6.0000e-003		81.0177	81.0177	4.7600e-003		81.1367
Worker	0.0317	0.0198	0.2787	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		85.4179	85.4179	2.1500e-003		85.4717
<b>Total</b>	<b>0.0395</b>	<b>0.2914</b>	<b>0.3429</b>	<b>1.6200e-003</b>	<b>0.1086</b>	<b>1.1400e-003</b>	<b>0.1098</b>	<b>0.0292</b>	<b>1.0700e-003</b>	<b>0.0303</b>		<b>166.4357</b>	<b>166.4357</b>	<b>6.9100e-003</b>		<b>166.6085</b>

**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	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652
<b>Total</b>	<b>0.6863</b>	<b>7.0258</b>	<b>7.1527</b>	<b>0.0114</b>		<b>0.3719</b>	<b>0.3719</b>		<b>0.3422</b>	<b>0.3422</b>	<b>0.0000</b>	<b>1,103.9393</b>	<b>1,103.9393</b>	<b>0.3570</b>		<b>1,112.8652</b>



Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.5 Building Construction - 2022**

**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
Vendor	7.8300e-003	0.2716	0.0642	7.6000e-004	0.0192	5.0000e-004	0.0197	5.5300e-003	4.8000e-004	6.0000e-003		81.0177	81.0177	4.7600e-003		81.1367
Worker	0.0317	0.0198	0.2787	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		85.4179	85.4179	2.1500e-003		85.4717
<b>Total</b>	<b>0.0395</b>	<b>0.2914</b>	<b>0.3429</b>	<b>1.6200e-003</b>	<b>0.1086</b>	<b>1.1400e-003</b>	<b>0.1098</b>	<b>0.0292</b>	<b>1.0700e-003</b>	<b>0.0303</b>		<b>166.4357</b>	<b>166.4357</b>	<b>6.9100e-003</b>		<b>166.6085</b>

**3.6 Paving - 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6923</b>	<b>5.9174</b>	<b>7.0348</b>	<b>0.0113</b>		<b>0.2961</b>	<b>0.2961</b>		<b>0.2758</b>	<b>0.2758</b>		<b>1,035.8246</b>	<b>1,035.8246</b>	<b>0.3017</b>		<b>1,043.3677</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.6 Paving - 2022**

**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
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
Worker	0.0713	0.0445	0.6270	1.9300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3200e-003	0.0547		192.1903	192.1903	4.8400e-003		192.3114
<b>Total</b>	<b>0.0713</b>	<b>0.0445</b>	<b>0.6270</b>	<b>1.9300e-003</b>	<b>0.2012</b>	<b>1.4400e-003</b>	<b>0.2026</b>	<b>0.0534</b>	<b>1.3200e-003</b>	<b>0.0547</b>		<b>192.1903</b>	<b>192.1903</b>	<b>4.8400e-003</b>		<b>192.3114</b>

**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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6923</b>	<b>5.9174</b>	<b>7.0348</b>	<b>0.0113</b>		<b>0.2961</b>	<b>0.2961</b>		<b>0.2758</b>	<b>0.2758</b>	<b>0.0000</b>	<b>1,035.8246</b>	<b>1,035.8246</b>	<b>0.3017</b>		<b>1,043.3677</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.6 Paving - 2022**

**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
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
Worker	0.0713	0.0445	0.6270	1.9300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3200e-003	0.0547		192.1903	192.1903	4.8400e-003		192.3114
<b>Total</b>	<b>0.0713</b>	<b>0.0445</b>	<b>0.6270</b>	<b>1.9300e-003</b>	<b>0.2012</b>	<b>1.4400e-003</b>	<b>0.2026</b>	<b>0.0534</b>	<b>1.3200e-003</b>	<b>0.0547</b>		<b>192.1903</b>	<b>192.1903</b>	<b>4.8400e-003</b>		<b>192.3114</b>

**3.7 Architectural Coating - 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					
Archit. Coating	5.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>5.3355</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.7 Architectural Coating - 2022**

**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
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
Worker	7.9200e-003	4.9500e-003	0.0697	2.1000e-004	0.0224	1.6000e-004	0.0225	5.9300e-003	1.5000e-004	6.0800e-003		21.3545	21.3545	5.4000e-004		21.3679
<b>Total</b>	<b>7.9200e-003</b>	<b>4.9500e-003</b>	<b>0.0697</b>	<b>2.1000e-004</b>	<b>0.0224</b>	<b>1.6000e-004</b>	<b>0.0225</b>	<b>5.9300e-003</b>	<b>1.5000e-004</b>	<b>6.0800e-003</b>		<b>21.3545</b>	<b>21.3545</b>	<b>5.4000e-004</b>		<b>21.3679</b>

**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	5.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>5.3355</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.7 Architectural Coating - 2022**

**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
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
Worker	7.9200e-003	4.9500e-003	0.0697	2.1000e-004	0.0224	1.6000e-004	0.0225	5.9300e-003	1.5000e-004	6.0800e-003		21.3545	21.3545	5.4000e-004		21.3679
<b>Total</b>	<b>7.9200e-003</b>	<b>4.9500e-003</b>	<b>0.0697</b>	<b>2.1000e-004</b>	<b>0.0224</b>	<b>1.6000e-004</b>	<b>0.0225</b>	<b>5.9300e-003</b>	<b>1.5000e-004</b>	<b>6.0800e-003</b>		<b>21.3545</b>	<b>21.3545</b>	<b>5.4000e-004</b>		<b>21.3679</b>

**3.8 Intertie Trenching - 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	0.6795	5.8296	8.4729	0.0135		0.2994	0.2994		0.2853	0.2853		1,283.6399	1,283.6399	0.2873		1,290.8230
<b>Total</b>	<b>0.6795</b>	<b>5.8296</b>	<b>8.4729</b>	<b>0.0135</b>		<b>0.2994</b>	<b>0.2994</b>		<b>0.2853</b>	<b>0.2853</b>		<b>1,283.6399</b>	<b>1,283.6399</b>	<b>0.2873</b>		<b>1,290.8230</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.8 Intertie Trenching - 2022**

**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
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
Worker	0.0396	0.0247	0.3484	1.0700e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		106.7724	106.7724	2.6900e-003		106.8397
<b>Total</b>	<b>0.0396</b>	<b>0.0247</b>	<b>0.3484</b>	<b>1.0700e-003</b>	<b>0.1118</b>	<b>8.0000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.4000e-004</b>	<b>0.0304</b>		<b>106.7724</b>	<b>106.7724</b>	<b>2.6900e-003</b>		<b>106.8397</b>

**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	0.6795	5.8296	8.4729	0.0135		0.2994	0.2994		0.2853	0.2853	0.0000	1,283.6399	1,283.6399	0.2873		1,290.8230
<b>Total</b>	<b>0.6795</b>	<b>5.8296</b>	<b>8.4729</b>	<b>0.0135</b>		<b>0.2994</b>	<b>0.2994</b>		<b>0.2853</b>	<b>0.2853</b>	<b>0.0000</b>	<b>1,283.6399</b>	<b>1,283.6399</b>	<b>0.2873</b>		<b>1,290.8230</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.8 Intertie Trenching - 2022**

**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
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
Worker	0.0396	0.0247	0.3484	1.0700e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		106.7724	106.7724	2.6900e-003		106.8397
<b>Total</b>	<b>0.0396</b>	<b>0.0247</b>	<b>0.3484</b>	<b>1.0700e-003</b>	<b>0.1118</b>	<b>8.0000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.4000e-004</b>	<b>0.0304</b>		<b>106.7724</b>	<b>106.7724</b>	<b>2.6900e-003</b>		<b>106.8397</b>

**3.9 Demolition 2 - 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					4.2800e-003	0.0000	4.2800e-003	6.5000e-004	0.0000	6.5000e-004			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
<b>Total</b>	<b>0.7094</b>	<b>6.4138</b>	<b>7.4693</b>	<b>0.0120</b>	<b>4.2800e-003</b>	<b>0.3375</b>	<b>0.3418</b>	<b>6.5000e-004</b>	<b>0.3225</b>	<b>0.3232</b>		<b>1,147.9025</b>	<b>1,147.9025</b>	<b>0.2119</b>		<b>1,153.2001</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.9 Demolition 2 - 2022**

**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
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
Worker	0.0396	0.0247	0.3484	1.0700e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		106.7724	106.7724	2.6900e-003		106.8397
<b>Total</b>	<b>0.0396</b>	<b>0.0247</b>	<b>0.3484</b>	<b>1.0700e-003</b>	<b>0.1118</b>	<b>8.0000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.4000e-004</b>	<b>0.0304</b>		<b>106.7724</b>	<b>106.7724</b>	<b>2.6900e-003</b>		<b>106.8397</b>

**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					1.6700e-003	0.0000	1.6700e-003	2.5000e-004	0.0000	2.5000e-004			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
<b>Total</b>	<b>0.7094</b>	<b>6.4138</b>	<b>7.4693</b>	<b>0.0120</b>	<b>1.6700e-003</b>	<b>0.3375</b>	<b>0.3392</b>	<b>2.5000e-004</b>	<b>0.3225</b>	<b>0.3228</b>	<b>0.0000</b>	<b>1,147.9025</b>	<b>1,147.9025</b>	<b>0.2119</b>		<b>1,153.2001</b>



Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**3.9 Demolition 2 - 2022**

**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
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
Worker	0.0396	0.0247	0.3484	1.0700e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		106.7724	106.7724	2.6900e-003		106.8397
<b>Total</b>	<b>0.0396</b>	<b>0.0247</b>	<b>0.3484</b>	<b>1.0700e-003</b>	<b>0.1118</b>	<b>8.0000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.4000e-004</b>	<b>0.0304</b>		<b>106.7724</b>	<b>106.7724</b>	<b>2.6900e-003</b>		<b>106.8397</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.9700e-003	0.0401	0.1361	5.5000e-004	0.0472	3.7000e-004	0.0476	0.0126	3.4000e-004	0.0130		55.8263	55.8263	2.3700e-003		55.8857
Unmitigated	8.9700e-003	0.0401	0.1361	5.5000e-004	0.0472	3.7000e-004	0.0476	0.0126	3.4000e-004	0.0130		55.8263	55.8263	2.3700e-003		55.8857

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	5.02	5.02	5.02	22,212	22,212
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	5.02	5.02	5.02	22,212	22,212

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Other Asphalt Surfaces	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Other Non-Asphalt Surfaces	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	Natural Gas 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					
General Light Industry	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
Other Non-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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Natural Gas 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					
General Light Industry	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
Other Non-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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**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	0.0580	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.8000e-004	5.8000e-004	0.0000		6.2000e-004
Unmitigated	0.0580	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.8000e-004	5.8000e-004	0.0000		6.2000e-004

**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	7.0300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.8000e-004	5.8000e-004	0.0000		6.2000e-004
<b>Total</b>	<b>0.0580</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>5.8000e-004</b>	<b>5.8000e-004</b>	<b>0.0000</b>		<b>6.2000e-004</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

**6.2 Area by SubCategory**

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	7.0300e-003					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	0.0509					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Landscaping	3.0000e-005	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.8000e-004	5.8000e-004	0.0000			6.2000e-004
<b>Total</b>	<b>0.0580</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>5.8000e-004</b>	<b>5.8000e-004</b>	<b>0.0000</b>			<b>6.2000e-004</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

Fire Pumps and Emergency Generators

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	52	315	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

Unmitigated/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	
Equipment Type	lb/day										lb/day						
Emergency Generator - Diesel (300 - 600 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>			<b>0.0000</b>

**11.0 Vegetation**

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Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**Lake Forest Zone B To C Pump Station**  
**South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	2.28	1000sqft	0.05	2,284.00	0
Other Asphalt Surfaces	0.26	Acre	0.26	11,325.60	0
Other Non-Asphalt Surfaces	0.11	Acre	0.11	4,791.60	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**



## Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

## Project Characteristics -

Land Use - Pump Facility 1,784 sf plus estimated Surge Tank Pad 500 sf = 2,284 sf. Impervious surface total 0.31-acres. Site total 0.413-acres.

Construction Phase - Demo 1: Removal and capping of existing piping onsite. Trenching: represents off-site intertie work. Demo 2: Removal of the existing decommissioned pump station adjacent reservoir. Approximate construction over 12 month period.

## Off-road Equipment -

## Off-road Equipment -

Off-road Equipment - Demolition 1 removal of Well No. 5 infrastructure and capping of subterranean pipes.

Off-road Equipment - Demolition 2 removal of existing pump station adjacent to IRWD Zone B East Reservoir.

## Off-road Equipment -

Off-road Equipment - Intertie construction would occur off-site after the new pump station is completed. Conservative estimate approach to construction equipment for intertie site.

## Off-road Equipment -

## Off-road Equipment -

## Trips and VMT -

Demolition - Approximately 4 Tons of debris for removal per demolition phase.

Grading - 519 cy of imported soil per site plans. 350 cy of soil removed for intertie site.

Vehicle Trips - No employees would be present during operation. Only occasional service and inspection vehicles. Conservative estimate of 5 ADT.

Energy Use - No natural gas usage.

Construction Off-road Equipment Mitigation - Water exposed area at least three times daily as fugitive dust control measure.

## Area Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps - One 200 kW standby emergency generator (Approx 315 bhp). Routine maintenance and use estimate of 2 hours bi-weekly.

## Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	150.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	15.00
tblConstructionPhase	NumDays	1.00	10.00
tblEnergyUse	NT24NG	6.86	0.00
tblEnergyUse	T24NG	14.04	0.00
tblGrading	MaterialExported	0.00	350.00
tblGrading	MaterialImported	0.00	519.00
tblLandUse	LandUseSquareFeet	2,280.00	2,284.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	315.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	52.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.32	2.20
tblVehicleTrips	SU_TR	0.68	2.20
tblVehicleTrips	WD_TR	6.97	2.20

## 2.0 Emissions Summary

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Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**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	0.0580	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.8000e-004	5.8000e-004	0.0000		6.2000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	8.5200e-003	0.0411	0.1255	5.2000e-004	0.0472	3.7000e-004	0.0476	0.0126	3.4000e-004	0.0130		52.9298	52.9298	2.3500e-003		52.9887
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0665</b>	<b>0.0411</b>	<b>0.1258</b>	<b>5.2000e-004</b>	<b>0.0472</b>	<b>3.7000e-004</b>	<b>0.0476</b>	<b>0.0126</b>	<b>3.4000e-004</b>	<b>0.0130</b>		<b>52.9304</b>	<b>52.9304</b>	<b>2.3500e-003</b>	<b>0.0000</b>	<b>52.9893</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**2.2 Overall Operational**

**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	0.0580	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.8000e-004	5.8000e-004	0.0000		6.2000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	8.5200e-003	0.0411	0.1255	5.2000e-004	0.0472	3.7000e-004	0.0476	0.0126	3.4000e-004	0.0130		52.9298	52.9298	2.3500e-003		52.9887
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0665</b>	<b>0.0411</b>	<b>0.1258</b>	<b>5.2000e-004</b>	<b>0.0472</b>	<b>3.7000e-004</b>	<b>0.0476</b>	<b>0.0126</b>	<b>3.4000e-004</b>	<b>0.0130</b>		<b>52.9304</b>	<b>52.9304</b>	<b>2.3500e-003</b>	<b>0.0000</b>	<b>52.9893</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

## Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition 1	Demolition	5/17/2021	5/21/2021	5	5	
2	Site Preparation	Site Preparation	5/22/2021	6/4/2021	5	10	
3	Grading	Grading	6/5/2021	7/2/2021	5	20	
4	Building Construction	Building Construction	7/3/2021	1/28/2022	5	150	
5	Paving	Paving	1/29/2022	2/18/2022	5	15	
6	Architectural Coating	Architectural Coating	2/19/2022	2/25/2022	5	5	
7	Intertie Trenching	Trenching	2/28/2022	4/8/2022	5	30	
8	Demolition 2	Demolition	4/11/2022	5/6/2022	5	20	

**Acres of Grading (Site Preparation Phase): 5**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0.37**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,426; Non-Residential Outdoor: 1,142; Striped Parking Area: 967 (Architectural Coating – sqft)**

**OffRoad Equipment**

## Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition 1	Rubber Tired Dozers	1	1.00	247	0.40
Demolition 1	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Intertie Trenching	Cement and Mortar Mixers	1	6.00	9	0.56
Intertie Trenching	Concrete/Industrial Saws	1	6.00	81	0.73
Intertie Trenching	Excavators	1	8.00	158	0.38
Intertie Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition 2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition 2	Rubber Tired Dozers	1	1.00	247	0.40
Demolition 2	Tractors/Loaders/Backhoes	2	6.00	97	0.37

Trips and VMT

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

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 1	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	109.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Intertie Trenching	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition 2	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition 1 - 2021**

**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					0.0171	0.0000	0.0171	2.5900e-003	0.0000	2.5900e-003			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>	<b>0.0171</b>	<b>0.4073</b>	<b>0.4245</b>	<b>2.5900e-003</b>	<b>0.3886</b>	<b>0.3912</b>		<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>



Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.2 Demolition 1 - 2021**

**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
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
Worker	0.0461	0.0300	0.3385	1.0400e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.5668	103.5668	2.7800e-003		103.6362
<b>Total</b>	<b>0.0461</b>	<b>0.0300</b>	<b>0.3385</b>	<b>1.0400e-003</b>	<b>0.1118</b>	<b>8.2000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.6000e-004</b>	<b>0.0304</b>		<b>103.5668</b>	<b>103.5668</b>	<b>2.7800e-003</b>		<b>103.6362</b>

**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					6.6800e-003	0.0000	6.6800e-003	1.0100e-003	0.0000	1.0100e-003			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>	<b>6.6800e-003</b>	<b>0.4073</b>	<b>0.4140</b>	<b>1.0100e-003</b>	<b>0.3886</b>	<b>0.3896</b>	<b>0.0000</b>	<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.2 Demolition 1 - 2021**

**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
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
Worker	0.0461	0.0300	0.3385	1.0400e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.5668	103.5668	2.7800e-003		103.6362
<b>Total</b>	<b>0.0461</b>	<b>0.0300</b>	<b>0.3385</b>	<b>1.0400e-003</b>	<b>0.1118</b>	<b>8.2000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.6000e-004</b>	<b>0.0304</b>		<b>103.5668</b>	<b>103.5668</b>	<b>2.7800e-003</b>		<b>103.6362</b>

**3.3 Site Preparation - 2021**

**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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
<b>Total</b>	<b>0.6403</b>	<b>7.8204</b>	<b>4.0274</b>	<b>9.7300e-003</b>	<b>0.5303</b>	<b>0.2995</b>	<b>0.8297</b>	<b>0.0573</b>	<b>0.2755</b>	<b>0.3328</b>		<b>942.5842</b>	<b>942.5842</b>	<b>0.3049</b>		<b>950.2055</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.3 Site Preparation - 2021**

**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
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
Worker	0.0231	0.0150	0.1693	5.2000e-004	0.0559	4.1000e-004	0.0563	0.0148	3.8000e-004	0.0152		51.7834	51.7834	1.3900e-003		51.8181
<b>Total</b>	<b>0.0231</b>	<b>0.0150</b>	<b>0.1693</b>	<b>5.2000e-004</b>	<b>0.0559</b>	<b>4.1000e-004</b>	<b>0.0563</b>	<b>0.0148</b>	<b>3.8000e-004</b>	<b>0.0152</b>		<b>51.7834</b>	<b>51.7834</b>	<b>1.3900e-003</b>		<b>51.8181</b>

**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					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
<b>Total</b>	<b>0.6403</b>	<b>7.8204</b>	<b>4.0274</b>	<b>9.7300e-003</b>	<b>0.2068</b>	<b>0.2995</b>	<b>0.5063</b>	<b>0.0223</b>	<b>0.2755</b>	<b>0.2978</b>	<b>0.0000</b>	<b>942.5842</b>	<b>942.5842</b>	<b>0.3049</b>		<b>950.2055</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.3 Site Preparation - 2021**

**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
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
Worker	0.0231	0.0150	0.1693	5.2000e-004	0.0559	4.1000e-004	0.0563	0.0148	3.8000e-004	0.0152		51.7834	51.7834	1.3900e-003		51.8181
<b>Total</b>	<b>0.0231</b>	<b>0.0150</b>	<b>0.1693</b>	<b>5.2000e-004</b>	<b>0.0559</b>	<b>4.1000e-004</b>	<b>0.0563</b>	<b>0.0148</b>	<b>3.8000e-004</b>	<b>0.0152</b>		<b>51.7834</b>	<b>51.7834</b>	<b>1.3900e-003</b>		<b>51.8181</b>

**3.4 Grading - 2021**

**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					0.7577	0.0000	0.7577	0.4145	0.0000	0.4145			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>	<b>0.7577</b>	<b>0.4073</b>	<b>1.1650</b>	<b>0.4145</b>	<b>0.3886</b>	<b>0.8031</b>		<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.4 Grading - 2021**

**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	0.0407	1.3952	0.3133	4.1000e-003	0.0952	4.3400e-003	0.0996	0.0261	4.1500e-003	0.0303		443.7365	443.7365	0.0314		444.5223
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
Worker	0.0461	0.0300	0.3385	1.0400e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.5668	103.5668	2.7800e-003		103.6362
<b>Total</b>	<b>0.0868</b>	<b>1.4252</b>	<b>0.6519</b>	<b>5.1400e-003</b>	<b>0.2070</b>	<b>5.1600e-003</b>	<b>0.2122</b>	<b>0.0557</b>	<b>4.9100e-003</b>	<b>0.0607</b>		<b>547.3032</b>	<b>547.3032</b>	<b>0.0342</b>		<b>548.1585</b>

**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					0.2955	0.0000	0.2955	0.1617	0.0000	0.1617			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>	<b>0.2955</b>	<b>0.4073</b>	<b>0.7028</b>	<b>0.1617</b>	<b>0.3886</b>	<b>0.5503</b>	<b>0.0000</b>	<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.4 Grading - 2021**

**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	0.0407	1.3952	0.3133	4.1000e-003	0.0952	4.3400e-003	0.0996	0.0261	4.1500e-003	0.0303		443.7365	443.7365	0.0314		444.5223
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
Worker	0.0461	0.0300	0.3385	1.0400e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.5668	103.5668	2.7800e-003		103.6362
<b>Total</b>	<b>0.0868</b>	<b>1.4252</b>	<b>0.6519</b>	<b>5.1400e-003</b>	<b>0.2070</b>	<b>5.1600e-003</b>	<b>0.2122</b>	<b>0.0557</b>	<b>4.9100e-003</b>	<b>0.0607</b>		<b>547.3032</b>	<b>547.3032</b>	<b>0.0342</b>		<b>548.1585</b>

**3.5 Building Construction - 2021**

**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	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
<b>Total</b>	<b>0.7750</b>	<b>7.9850</b>	<b>7.2637</b>	<b>0.0114</b>		<b>0.4475</b>	<b>0.4475</b>		<b>0.4117</b>	<b>0.4117</b>		<b>1,103.2158</b>	<b>1,103.2158</b>	<b>0.3568</b>		<b>1,112.1358</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.5 Building Construction - 2021**

**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
Vendor	8.7900e-003	0.2852	0.0760	7.4000e-004	0.0192	5.9000e-004	0.0198	5.5300e-003	5.7000e-004	6.1000e-003		79.3651	79.3651	5.3100e-003		79.4978
Worker	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089
<b>Total</b>	<b>0.0457</b>	<b>0.3092</b>	<b>0.3468</b>	<b>1.5700e-003</b>	<b>0.1086</b>	<b>1.2500e-003</b>	<b>0.1099</b>	<b>0.0292</b>	<b>1.1800e-003</b>	<b>0.0304</b>		<b>162.2185</b>	<b>162.2185</b>	<b>7.5300e-003</b>		<b>162.4068</b>

**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	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
<b>Total</b>	<b>0.7750</b>	<b>7.9850</b>	<b>7.2637</b>	<b>0.0114</b>		<b>0.4475</b>	<b>0.4475</b>		<b>0.4117</b>	<b>0.4117</b>	<b>0.0000</b>	<b>1,103.2158</b>	<b>1,103.2158</b>	<b>0.3568</b>		<b>1,112.1358</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.5 Building Construction - 2021**

**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
Vendor	8.7900e-003	0.2852	0.0760	7.4000e-004	0.0192	5.9000e-004	0.0198	5.5300e-003	5.7000e-004	6.1000e-003		79.3651	79.3651	5.3100e-003		79.4978
Worker	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089
<b>Total</b>	<b>0.0457</b>	<b>0.3092</b>	<b>0.3468</b>	<b>1.5700e-003</b>	<b>0.1086</b>	<b>1.2500e-003</b>	<b>0.1099</b>	<b>0.0292</b>	<b>1.1800e-003</b>	<b>0.0304</b>		<b>162.2185</b>	<b>162.2185</b>	<b>7.5300e-003</b>		<b>162.4068</b>

**3.5 Building Construction - 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	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652
<b>Total</b>	<b>0.6863</b>	<b>7.0258</b>	<b>7.1527</b>	<b>0.0114</b>		<b>0.3719</b>	<b>0.3719</b>		<b>0.3422</b>	<b>0.3422</b>		<b>1,103.9393</b>	<b>1,103.9393</b>	<b>0.3570</b>		<b>1,112.8652</b>



Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.5 Building Construction - 2022**

**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
Vendor	8.2400e-003	0.2705	0.0719	7.4000e-004	0.0192	5.2000e-004	0.0197	5.5300e-003	4.9000e-004	6.0200e-003		78.6583	78.6583	5.1100e-003		78.7860
Worker	0.0347	0.0217	0.2500	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		79.8829	79.8829	2.0100e-003		79.9331
<b>Total</b>	<b>0.0429</b>	<b>0.2922</b>	<b>0.3218</b>	<b>1.5400e-003</b>	<b>0.1086</b>	<b>1.1600e-003</b>	<b>0.1098</b>	<b>0.0292</b>	<b>1.0800e-003</b>	<b>0.0303</b>		<b>158.5412</b>	<b>158.5412</b>	<b>7.1200e-003</b>		<b>158.7190</b>

**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	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652
<b>Total</b>	<b>0.6863</b>	<b>7.0258</b>	<b>7.1527</b>	<b>0.0114</b>		<b>0.3719</b>	<b>0.3719</b>		<b>0.3422</b>	<b>0.3422</b>	<b>0.0000</b>	<b>1,103.9393</b>	<b>1,103.9393</b>	<b>0.3570</b>		<b>1,112.8652</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.5 Building Construction - 2022**

**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
Vendor	8.2400e-003	0.2705	0.0719	7.4000e-004	0.0192	5.2000e-004	0.0197	5.5300e-003	4.9000e-004	6.0200e-003		78.6583	78.6583	5.1100e-003		78.7860
Worker	0.0347	0.0217	0.2500	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		79.8829	79.8829	2.0100e-003		79.9331
<b>Total</b>	<b>0.0429</b>	<b>0.2922</b>	<b>0.3218</b>	<b>1.5400e-003</b>	<b>0.1086</b>	<b>1.1600e-003</b>	<b>0.1098</b>	<b>0.0292</b>	<b>1.0800e-003</b>	<b>0.0303</b>		<b>158.5412</b>	<b>158.5412</b>	<b>7.1200e-003</b>		<b>158.7190</b>

**3.6 Paving - 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6923</b>	<b>5.9174</b>	<b>7.0348</b>	<b>0.0113</b>		<b>0.2961</b>	<b>0.2961</b>		<b>0.2758</b>	<b>0.2758</b>		<b>1,035.8246</b>	<b>1,035.8246</b>	<b>0.3017</b>		<b>1,043.3677</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.6 Paving - 2022**

**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
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
Worker	0.0781	0.0487	0.5625	1.8000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3200e-003	0.0547		179.7366	179.7366	4.5100e-003		179.8494
<b>Total</b>	<b>0.0781</b>	<b>0.0487</b>	<b>0.5625</b>	<b>1.8000e-003</b>	<b>0.2012</b>	<b>1.4400e-003</b>	<b>0.2026</b>	<b>0.0534</b>	<b>1.3200e-003</b>	<b>0.0547</b>		<b>179.7366</b>	<b>179.7366</b>	<b>4.5100e-003</b>		<b>179.8494</b>

**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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6923</b>	<b>5.9174</b>	<b>7.0348</b>	<b>0.0113</b>		<b>0.2961</b>	<b>0.2961</b>		<b>0.2758</b>	<b>0.2758</b>	<b>0.0000</b>	<b>1,035.8246</b>	<b>1,035.8246</b>	<b>0.3017</b>		<b>1,043.3677</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.6 Paving - 2022**

**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
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
Worker	0.0781	0.0487	0.5625	1.8000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3200e-003	0.0547		179.7366	179.7366	4.5100e-003		179.8494
<b>Total</b>	<b>0.0781</b>	<b>0.0487</b>	<b>0.5625</b>	<b>1.8000e-003</b>	<b>0.2012</b>	<b>1.4400e-003</b>	<b>0.2026</b>	<b>0.0534</b>	<b>1.3200e-003</b>	<b>0.0547</b>		<b>179.7366</b>	<b>179.7366</b>	<b>4.5100e-003</b>		<b>179.8494</b>

**3.7 Architectural Coating - 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					
Archit. Coating	5.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>5.3355</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.7 Architectural Coating - 2022**

**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
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
Worker	8.6700e-003	5.4100e-003	0.0625	2.0000e-004	0.0224	1.6000e-004	0.0225	5.9300e-003	1.5000e-004	6.0800e-003		19.9707	19.9707	5.0000e-004		19.9833
<b>Total</b>	<b>8.6700e-003</b>	<b>5.4100e-003</b>	<b>0.0625</b>	<b>2.0000e-004</b>	<b>0.0224</b>	<b>1.6000e-004</b>	<b>0.0225</b>	<b>5.9300e-003</b>	<b>1.5000e-004</b>	<b>6.0800e-003</b>		<b>19.9707</b>	<b>19.9707</b>	<b>5.0000e-004</b>		<b>19.9833</b>

**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	5.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>5.3355</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.7 Architectural Coating - 2022**

**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
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
Worker	8.6700e-003	5.4100e-003	0.0625	2.0000e-004	0.0224	1.6000e-004	0.0225	5.9300e-003	1.5000e-004	6.0800e-003		19.9707	19.9707	5.0000e-004		19.9833
<b>Total</b>	<b>8.6700e-003</b>	<b>5.4100e-003</b>	<b>0.0625</b>	<b>2.0000e-004</b>	<b>0.0224</b>	<b>1.6000e-004</b>	<b>0.0225</b>	<b>5.9300e-003</b>	<b>1.5000e-004</b>	<b>6.0800e-003</b>		<b>19.9707</b>	<b>19.9707</b>	<b>5.0000e-004</b>		<b>19.9833</b>

**3.8 Intertie Trenching - 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	0.6795	5.8296	8.4729	0.0135		0.2994	0.2994		0.2853	0.2853		1,283.6399	1,283.6399	0.2873		1,290.8230
<b>Total</b>	<b>0.6795</b>	<b>5.8296</b>	<b>8.4729</b>	<b>0.0135</b>		<b>0.2994</b>	<b>0.2994</b>		<b>0.2853</b>	<b>0.2853</b>		<b>1,283.6399</b>	<b>1,283.6399</b>	<b>0.2873</b>		<b>1,290.8230</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.8 Intertie Trenching - 2022**

**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
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
Worker	0.0434	0.0271	0.3125	1.0000e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		99.8537	99.8537	2.5100e-003		99.9163
<b>Total</b>	<b>0.0434</b>	<b>0.0271</b>	<b>0.3125</b>	<b>1.0000e-003</b>	<b>0.1118</b>	<b>8.0000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.4000e-004</b>	<b>0.0304</b>		<b>99.8537</b>	<b>99.8537</b>	<b>2.5100e-003</b>		<b>99.9163</b>

**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	0.6795	5.8296	8.4729	0.0135		0.2994	0.2994		0.2853	0.2853	0.0000	1,283.6399	1,283.6399	0.2873		1,290.8230
<b>Total</b>	<b>0.6795</b>	<b>5.8296</b>	<b>8.4729</b>	<b>0.0135</b>		<b>0.2994</b>	<b>0.2994</b>		<b>0.2853</b>	<b>0.2853</b>	<b>0.0000</b>	<b>1,283.6399</b>	<b>1,283.6399</b>	<b>0.2873</b>		<b>1,290.8230</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.8 Intertie Trenching - 2022**

**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
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
Worker	0.0434	0.0271	0.3125	1.0000e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		99.8537	99.8537	2.5100e-003		99.9163
<b>Total</b>	<b>0.0434</b>	<b>0.0271</b>	<b>0.3125</b>	<b>1.0000e-003</b>	<b>0.1118</b>	<b>8.0000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.4000e-004</b>	<b>0.0304</b>		<b>99.8537</b>	<b>99.8537</b>	<b>2.5100e-003</b>		<b>99.9163</b>

**3.9 Demolition 2 - 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					4.2800e-003	0.0000	4.2800e-003	6.5000e-004	0.0000	6.5000e-004			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
<b>Total</b>	<b>0.7094</b>	<b>6.4138</b>	<b>7.4693</b>	<b>0.0120</b>	<b>4.2800e-003</b>	<b>0.3375</b>	<b>0.3418</b>	<b>6.5000e-004</b>	<b>0.3225</b>	<b>0.3232</b>		<b>1,147.9025</b>	<b>1,147.9025</b>	<b>0.2119</b>		<b>1,153.2001</b>



Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.9 Demolition 2 - 2022**

**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
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
Worker	0.0434	0.0271	0.3125	1.0000e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		99.8537	99.8537	2.5100e-003		99.9163
<b>Total</b>	<b>0.0434</b>	<b>0.0271</b>	<b>0.3125</b>	<b>1.0000e-003</b>	<b>0.1118</b>	<b>8.0000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.4000e-004</b>	<b>0.0304</b>		<b>99.8537</b>	<b>99.8537</b>	<b>2.5100e-003</b>		<b>99.9163</b>

**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					1.6700e-003	0.0000	1.6700e-003	2.5000e-004	0.0000	2.5000e-004			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
<b>Total</b>	<b>0.7094</b>	<b>6.4138</b>	<b>7.4693</b>	<b>0.0120</b>	<b>1.6700e-003</b>	<b>0.3375</b>	<b>0.3392</b>	<b>2.5000e-004</b>	<b>0.3225</b>	<b>0.3228</b>	<b>0.0000</b>	<b>1,147.9025</b>	<b>1,147.9025</b>	<b>0.2119</b>		<b>1,153.2001</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**3.9 Demolition 2 - 2022**

**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
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
Worker	0.0434	0.0271	0.3125	1.0000e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		99.8537	99.8537	2.5100e-003		99.9163
<b>Total</b>	<b>0.0434</b>	<b>0.0271</b>	<b>0.3125</b>	<b>1.0000e-003</b>	<b>0.1118</b>	<b>8.0000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.4000e-004</b>	<b>0.0304</b>		<b>99.8537</b>	<b>99.8537</b>	<b>2.5100e-003</b>		<b>99.9163</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.5200e-003	0.0411	0.1255	5.2000e-004	0.0472	3.7000e-004	0.0476	0.0126	3.4000e-004	0.0130		52.9298	52.9298	2.3500e-003		52.9887
Unmitigated	8.5200e-003	0.0411	0.1255	5.2000e-004	0.0472	3.7000e-004	0.0476	0.0126	3.4000e-004	0.0130		52.9298	52.9298	2.3500e-003		52.9887

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	5.02	5.02	5.02	22,212	22,212
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	5.02	5.02	5.02	22,212	22,212

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Other Asphalt Surfaces	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Other Non-Asphalt Surfaces	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	Natural Gas 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						
General Light Industry	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
Other Non-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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Natural Gas 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						
General Light Industry	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
Other Non-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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**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	0.0580	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.8000e-004	5.8000e-004	0.0000		6.2000e-004
Unmitigated	0.0580	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.8000e-004	5.8000e-004	0.0000		6.2000e-004

**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	7.0300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.8000e-004	5.8000e-004	0.0000		6.2000e-004
<b>Total</b>	<b>0.0580</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>5.8000e-004</b>	<b>5.8000e-004</b>	<b>0.0000</b>		<b>6.2000e-004</b>

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

**6.2 Area by SubCategory**

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	7.0300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.8000e-004	5.8000e-004	0.0000		6.2000e-004
<b>Total</b>	<b>0.0580</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>5.8000e-004</b>	<b>5.8000e-004</b>	<b>0.0000</b>		<b>6.2000e-004</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

Fire Pumps and Emergency Generators

Lake Forest Zone B To C Pump Station - South Coast AQMD Air District, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	52	315	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**10.1 Stationary Sources**

Unmitigated/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	
Equipment Type	lb/day										lb/day						
Emergency Generator - Diesel (300 - 600 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>			<b>0.0000</b>

**11.0 Vegetation**

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## **APPENDIX B**

# **BIOLOGICAL RESOURCES ASSESSMENT**



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CARLSBAD  
FRESNO  
IRVINE  
LOS ANGELES  
PALM SPRINGS  
POINT RICHMOND  
RIVERSIDE  
ROSEVILLE  
SAN LUIS OBISPO

December 21, 2020

Jo Ann Corey  
Environmental Compliance Specialist  
Irvine Ranch Water District  
15600 Sand Canyon Avenue  
Irvine, California 92618

Subject: Biological Resources Assessment for the Lake Forest Zone B to C Pump Station Project

Dear Ms. Corey:

LSA has prepared this general assessment of the existing biological resources associated with the approximately 0.4-acre (ac) parcel (Assessor's Parcel Number 612-031-15) located between 20381 and 20411 Lake Forest Drive in Lake Forest, California. This biological resources assessment has been conducted to provide technical support as part of the environmental analysis and documentation for the proposed Lake Forest Zone B to C Pump Station Project (Project).

The Project site ranges in elevation from approximately 710 to 720 feet (ft) above mean sea level and is located at the site of the previous Irvine Ranch Water District (IRWD) Lake Forest Well No. 5. Adjacent land uses to the Project site include existing commercial/business park buildings and associated parking lots to the west and east, regional park/open space (i.e., Serrano Creek Trail) to the north, and a transportation corridor (i.e., Lake Forest Drive) to the south. The Project site is located in Section 12 of Township 6 South and Range 8 West on the 7.5-minute series United States Geological Survey (USGS) *El Toro, California* quadrangle (see Figure 1; all figures provided in Attachment B).

## PROJECT OVERVIEW

IRWD proposes to construct a new pump station located between 20381 Lake Forest Drive and 20411 Lake Forest Drive at the previous Lake Forest Well No. 5 site in Lake Forest. The purpose of the proposed Project is to improve the water quality within IRWD's Zone B to C recycled water system by constructing a new recycled water pump station. In addition to the construction of the new Zone B to C Recycled Water Pump Station, the Project would include decommissioning the existing Zone B to C Pump Station, which is located adjacent to the existing IRWD Zone B East Reservoir. The proposed Project would also involve developing a new proposed intertie between the Upper Oso Reservoir and the Lake Forest Zone C distribution system. The new proposed intertie would provide the ability to isolate Upper Oso Reservoir from IRWD's recycled water distribution system.

## METHODS

An LSA biologist reviewed key biological database records from the most current versions of the California Department of Fish and Wildlife (CDFW) California Natural Diversity Data Base (CNDDB), the California Native Plant Society (CNPS) Online Inventory of Rare and Endangered Vascular Plants

of California, and the United States Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) database. LSA also reviewed the prior biological technical studies (GLA 2019) and environmental documentation (LSA 2019) pertaining to the Nakase Property Project located nearby on the other side of Serrano Creek. This technical information along with LSA's extensive experience in the vicinity of the proposed Project were used to assist in determining the existence or potential occurrence of any special-status plant and animal species<sup>1</sup> or sensitive natural communities in or immediately adjacent to the Project site.

During a site visit on December 7, 2020, LSA senior biologist Jim Harrison conducted a general assessment of the existing biological resources associated with the approximately 0.4 ac proposed Project site. The primary focus was to identify and document the occurrence of any biological resources (i.e., species and/or habitats) of particular interest or concern or the potential for occurrence of such resources that may not be detectable at the time of the site survey. This biological site survey was conducted on foot and included vegetation mapping. During the site assessment, existing plant and animal species were noted, and habitat was mapped and designated based on the Orange County Habitat Classification System (OCHCS) (Dames & Moore et al., 1992; Jones & Stokes Associates 1993). An aerial photograph showing the Project area was used in the field for orientation and mapping purposes. On-site conditions were cool and overcast with no wind and conducive to detection and observation of biological resources.

## FINDINGS

### Vegetation/Habitat

LSA identified three vegetation, or habitat, communities within the Project limits. These vegetation types include Disturbed/Barren (0.25 ac), Disturbed Eucalyptus Woodland (0.02 ac), and Ruderal (0.13 ac) (see Figure 2). There is no native habitat on site, although various individual native plants, including toyon (*Heteromeles arbutifolia*), laurel sumac (*Malosma laurina*), and coyote brush (*Baccharis pilularis* ssp. *consaguinea*) are scattered about the Project site. No sensitive natural communities occur within or adjoining the Project limits.

The Project site is composed of 0.25 ac of Disturbed/Barren area. These areas consist primarily of bare ground or cleared dirt pads. The previous IRWD well site, which is enclosed by a chain-link fence, is located within the Disturbed/Barren area. Also observed within this disturbed area was a pile of rocks, a utility box, a portable toilet, some orange snow fencing along a portion of the perimeter, and a track-out minimization grate at the entrance to the site. The area is essentially unvegetated, although Japanese honeysuckle (*Lonicera japonica*) grows on the chain-link fence, one laurel sumac and one toyon occur along the perimeter, and a small patch of Bermuda grass (*Cynodon dactylon*) is along the street parkway at the entrance to the site.

Ruderal vegetation types are shown on Figure 2 and consist primarily of annual, nonnative grasses and forbs, including wild oats (*Avena* spp.), bromes (*Bromus* spp.), smilo grass (*Piptatherum*

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<sup>1</sup> "Special-status species" are those plants or animals that are federally and/or State listed, that are proposed for listing, or that have some other special designation from a resource agency or a recognized conservation organization (e.g., CNPS).

*miliaceum*), sweet clover (*Melilotus* sp.), blue periwinkle (*Vinca major*), telegraph weed (*Heterotheca grandiflora*), and scattered individuals of toyon, laurel sumac, coyote brush and various small ornamental shrub/subshrubs. Trash and debris was observed in the Ruderal habitat, primarily along the chain-link fence.

A small quantity (0.02 ac) of Disturbed Eucalyptus Woodland is located along the northern edge of the Project site (see Figure 2). This habitat type consists primarily of an overstory dominated by red river gum (*Eucalyptus camaldulensis*) with a Ruderal understory. Most of the bird activity on site was associated with the eucalyptus trees.

### Wildlife

The wildlife observed on site during the site survey consist of species typically found in developed residential and commercial areas and well adapted to human disturbances. Animal species observed included American crow (*Corvus brachyrhynchos*), house finch (*Haemorhous mexicanus*), lesser goldfinch (*Spinus psaltria*), bushtit (*Psaltriparus minimus*), black-chinned hummingbird (*Archilochus alexandri*), Anna's hummingbird (*Calypte anna*), and white-crowned sparrow (*Zonotrichia leucophrys*). A Cooper's hawk (*Accipiter cooperii*) was observed flying across Lake Forest Drive and over the adjacent commercial business park to the north in the direction of Serrano Creek. A solitary coyote (*Canis latrans*) was observed off site walking nearby along the Serrano Creek Trail. It is not uncommon to see both Cooper's hawk and coyote in developed residential and commercial areas.

Serrano Creek is approximately 100 ft northwest of the Project site, and Serrano Creek Trail, which is located between Serrano Creek and the Project site, is approximately 50 ft from the site. The creek and the associated trail support wildlife movement, as would be expected and is typical in these situations. This was evident during the site survey when a coyote was observed walking along Serrano Creek Trail before running into the creek when a man walking his dog on the trail approached the coyote. However, the Project site, being bracketed on three sides by existing development, is not expected to support wildlife movement.

While the Project site has trees, shrubs, and sufficient ground cover suitable for nesting birds, most birds, particularly raptor species, are more likely to nest in the more densely forested areas associated with the nearby creek and trail. No active nesting by birds was observed on site or in the adjacent habitat. However, vegetated areas on site along with the habitat associated with Serrano Creek and the Serrano Creek Trail are suitable for foraging birds. The same is expected to be true for any bats present in the vicinity of the Project. Bat species may forage on site and in surrounding areas, particularly Serrano Creek, but bats are more likely to roost and possibly even breed in the trees associated with the creek.

### Special-Status Species

Although several special-status plant species were identified in the records searches and literature review as occurring or potentially occurring in the Project vicinity and surrounding areas, there are no special-status plant species within or adjoining the Project limits.

Of the special-status animal species identified in the records searches and literature review, none were observed on site at the time of the site survey. However, while it is more likely that certain

special-status bats (i.e., western mastiff bat [*Eumops perotis californicus*] and western red bat [*Lasiurus blossevillii*]) and raptors (i.e., Cooper's hawk and white-tailed kite [*Elanus leucurus*]) may roost/nest in the more densely forested areas of the nearby Serrano Creek and Serrano Creek Trail, these species could potentially forage within the vegetated areas on site. However, since the existing conditions associated with the Project site are highly disturbed and degraded and the quantity of impacts small, the loss of potential foraging habitat would not be considered substantial.

In 2017, Glenn Lukos Associates detected willow flycatcher (*Empidonax traillii*), which is State listed as Endangered, and yellow warbler (*Setophaga petechia*), a State Species of Special Concern, in Serrano Creek, and Cooper's hawk and red-tailed hawk (*Buteo jamaicensis*) are reported to have previously nested in Serrano Creek (GLA 2019). Neither willow flycatcher nor yellow warbler are expected to nest on site.

## POTENTIAL PROJECT IMPACTS

No special-status plant species are present within the project site limits. Since the project would not result in impacts to such resources, no mitigation would therefore be required. However, while some bat species (e.g., western mastiff bat and western red bat) and raptors (e.g., Cooper's hawk) may potentially forage on site, the loss of this small quantity of disturbed habitat is not likely to result in a substantial adverse impact to these species. Therefore, the proposed project would not result in a direct significant impact to any special-status species and/or habitat supporting any special-status species, and any potential indirect impacts to such resources occurring off site is expected to be less than significant.

Riparian habitat associated with Serrano Creek is located adjacent to the project site. However, the project would not result in the removal of, or other direct impacts to, this riparian habitat or any other sensitive natural communities. Therefore, no mitigation would be required. Indirect impacts due to noise and vibration disturbances during construction work could potential disrupt or otherwise impact bat roosting and/or bird nesting activities in adjacent habitat associated with Serrano Creek, which is approximately 100 ft from the Project site. However, implementation of the bat and nesting bird measures identified in the Recommendations section below would reduce potential impacts to roosting bats and/or nesting birds to less than significant levels.

Although Serrano Creek is located approximately 100 ft from the project site, there are no jurisdictional wetlands or other State and/or federally regulated waterbodies within or adjoining the Project site. As a result, the project would not impact any jurisdictional waterbodies, including wetlands. Therefore, no mitigation would be required.

While wildlife do use Serrano Creek and the Serrano Creek Trail for movement purposes, the project would not substantially interfere with wildlife movement in the vicinity of the project site. Artificial lighting during construction activities could potentially impede or alter wildlife movement activities; however, with implementation of the measure provided in the Recommendation section below, impacts to wildlife movement would be reduced to less than significant levels.

The proposed project is not expected to conflict with any local policies or ordinances protecting biological resources. In compliance with the Lake Forest Municipal Code (Section 6.20.025), if any

eucalyptus trees on the Project site are to be removed or trimmed between April 1 and November 1, the Project applicant/developer must first obtain a permit from the City of Lake Forest (City) for the transportation of any logs, branches, or trunks to an off-site location for disposal. In addition, the removal and/or trimming of trees could inadvertently result in the spread of Invasive Shot Hole Borers (ISHBs), if present in the trees to be removed or trimmed. However, implementation of the measure identified below under Recommendations would reduce the potential impact to a less than significant level.

The project site is not within or adjacent to any designated Natural Community Conservation Plan (NCCP) or other Habitat Conservation Plan (HCP) area, and the project would not adversely affect any conservation plan areas in the region. Therefore, no mitigation would be required.

The City of Lake Forest is a participant in the Orange County Central and Coastal NCCP/HCP. Although the Project site is located within the NCCP/HCP Planning Area, the site is located outside the boundaries of the NCCP/HCP Reserve System. The Project site is approximately 0.8 mile from the closest NCCP/HCP Reserve boundary; however, it is located in an area identified in the NCCP/HCP as urbanized and designated for development. Development of the proposed Project would not result in the removal of any sensitive habitat identified in the NCCP/HCP and would not conflict with the adopted NCCP/HCP or any other approved local, regional, or State HCP. Therefore, the proposed Project would not adversely affect any conservation plan areas in the region, and no mitigation would be required.

## RECOMMENDATIONS

Potential direct and indirect impacts to biological resources associated with Project construction and/or operation would be reduced to levels that are less than significant with implementation of the following recommended measures:

- In the event that any construction, vegetation clearing, or grading activities (including disking and demolition) should occur between February 1 and September 1, a qualified biologist should conduct a nesting bird survey within 3 days of commencement of construction activities to confirm the absence of nesting birds. If active nesting of birds is observed within 500 ft of the designated construction area during surveys, the biologist will determine suitable buffers around the active nests (e.g., a minimum of 50 ft for passerines and 250 ft for raptors). The buffer areas must be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests. Prior to commencement of grading activities, the City's Director of Community Development, or designee, should verify that all Project grading and construction plans include specific documentation of compliance with the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code Section 3503. This would include completion of pre-construction survey reports that have been reviewed by staff, and verification that appropriate buffers (if needed) have been noted on the plans and established in the field using orange snow fencing.
- A qualified bat biologist should conduct a pre-construction roosting bat survey of the Project site and adjacent habitat to determine if any bats are present and to identify the need for any appropriate protective measures. This pre-construction roosting bat survey, consisting of a

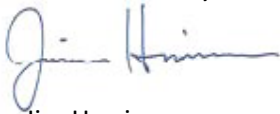
nighttime exit count and acoustic data collection, should be conducted during the bat maternity season (April 1 through August 31) and well in advance of construction in order to provide adequate time for potential mitigation planning. To the greatest extent feasible, tree trimming/removal activities should be conducted outside the bat maternity season, which occurs from April 1 through August 31, to avoid direct impacts to nonvolant (flightless) young that may roost in trees within and adjacent to the Project site. This period also occurs within the bird nesting season (February 1 to September 1). If trimming or removal of trees during the bat maternity season (April 1 through August 31) cannot be avoided, a qualified biologist should monitor the tree removal or trimming activities.

- A designated biologist familiar with the signs of ISHBs should survey trees on the Project site that are designated for removal or trimming. Surveys should be conducted at least 30 days prior to removal or trimming activities. If any tree is determined to be infested/infected by ISHBs, a control plan should be prepared and submitted to the CDFW for review and approval. At a minimum, the control plan should include methods of control, removal, and appropriate disposal techniques to prevent the spread of ISHBs. The results of the tree survey, and if warranted, a copy of the CDFW-approved control plan should be submitted to the City of Lake Forest Director of Community Development, or designee, prior to issuance of grading permits.
- No nighttime construction work should occur within 200 ft of Serrano Creek, and no construction lighting should be placed within 200 ft of Serrano Creek unless a qualified biologist confirms that the lighting does not illuminate Serrano Creek. This would help avoid impacts to nocturnal wildlife using Serrano Creek and the Serrano Creek Trail during nighttime hours.

Should you have any questions regarding the contents of this biological resources assessment report, please contact me at (949) 535-2217 or jim.harrison@lsa.net.

Sincerely,

**LSA Associates, Inc.**



Jim Harrison  
Senior Biologist

cc: Nicole Dubois, LSA

Attachments: A – References  
B – Figures



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## ATTACHMENT A

### REFERENCES

Glenn Lukos Associates, Inc. (GLA). 2019. *Biological Technical Report for Nakase Property Project Located in the City of Lake Forest, Orange County, California*. March.

LSA Associates, Inc. (LSA). 2019. *Nakase Nursery/Toll Brothers Project Final Environmental Impact Report*, Section 4.4 Biological Resources. December.

Dames & Moore et al. 1992. *Habitat Classification System: Natural Resources, Geographic Information System (GIS) Project*. Prepared for County of Orange, Environmental Management Agency, Santa Ana, CA. May.

Jones & Stokes Associates, Inc. 1993. *Methods Used to Survey the Vegetation of Orange County Parks and Open Space Areas and The Irvine Company Property*. Prepared for County of Orange, Environmental Management Agency, Santa Ana, CA. February.

## **ATTACHMENT B**

### **FIGURES**

Figure 1: Project Location

Figure 2: Vegetation Map



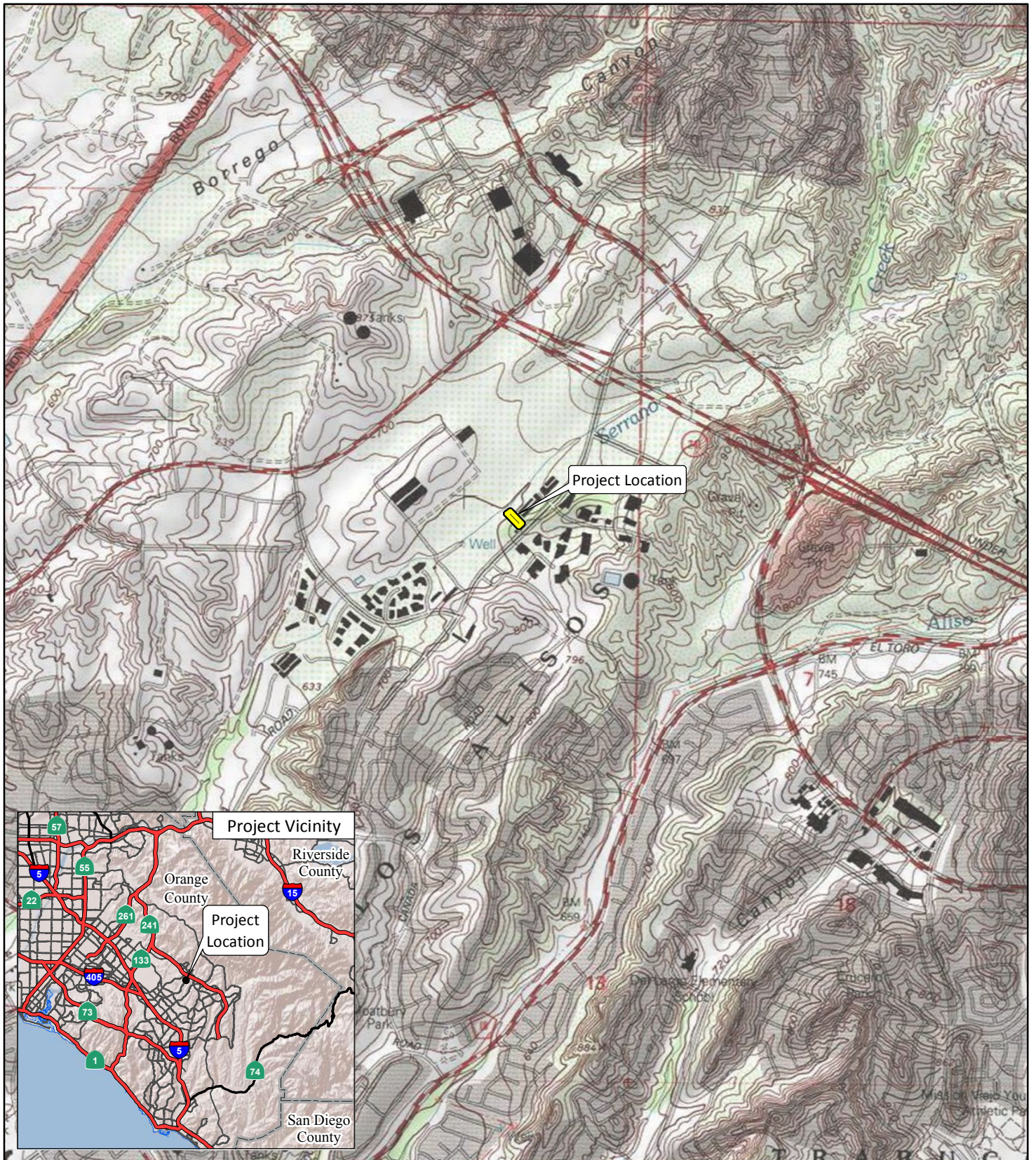
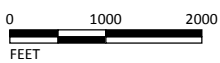


FIGURE 1

LSA

LEGEND

 Project Location



SOURCE: USGS 7.5' Quad - El Toro (1982), CA

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Lake Forest Zone B to C Pump Station Project  
Project Location







FIGURE 2


LSA

LEGEND

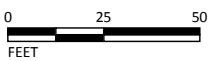
 Project Location (APN #612-031-15)

Vegetation/Habitat Types

 Disturbed Eucalyptus Woodland

 Disturbed/Barren

 Ruderal



SOURCE: Nearmap (10/12/2020)

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Lake Forest Zone B to C Pump Station Project  
Vegetation Map



## **APPENDIX C**

# **CULTURAL RESOURCES STUDY FOR THE LAKE FOREST ZONE B TO C PUMP STATION PROJECT IN LAKE FOREST, ORANGE COUNTY, CALIFORNIA**



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## MEMORANDUM

**DATE:** December 14, 2020

**To:** Irvine Ranch Water District

**FROM:** Kerrie Collison, RPA, Associate/Senior Cultural Resources Manager, LSA

**SUBJECT:** Cultural Resources Study for the Lake Forest Zone B to C Pump Station Project in Lake Forest, Orange County, California (LSA Project No. IRW2001.01)

This memorandum presents the results of the cultural resources study for the proposed Lake Forest Zone B to C Pump Station Project (project) in Lake Forest, Orange County, California. The study consisted of a record search and field survey. The record search was conducted to do the following: (1) establish the status and extent of previously recorded sites, surveys, and excavations in and adjacent to the project site; and (2) note what site types might be expected to occur within the project site based on the existing data from archaeological sites located within 0.25 mile (mi) of the project site. All work has been completed per the requirements of the California Environmental Quality Act of 1970 (CEQA). The Irvine Ranch Water District (IRWD) is the Lead Agency for CEQA compliance.

### PROJECT DESCRIPTION AND LOCATION

The proposed project's purpose is to improve the water quality within IRWD's Zone B to C recycled water system by constructing a new recycled water pump station. In addition to the construction of the new Zone B to C Recycled Water Pump Station, the proposed project would decommission the existing Zone B to C Pump Station, located adjacent to the existing IRWD Zone B East Reservoir. The proposed project would also develop a proposed new intertie between the Upper Oso Reservoir and the Lake Forest Zone C distribution system. The proposed new intertie would provide the ability to isolate the Upper Oso Reservoir from IRWD's recycled water distribution system.

The proposed new pump station would be located on a 0.413-acre site (Assessor's Parcel No. 612-031-15) between 20411 and 20381 Lake Forest Drive. The existing pump station is located off a paved road running north from Regency Lane, and the proposed new intertie is located along the southbound side of Portola Parkway just north of its intersection with El Toro Road. The proposed project is depicted on the *El Toro, California* 7.5-minute United States Geological Survey (USGS) topographic quadrangle map in unsectioned land of the Los Alisos Land Grant in Township 6 South, Range 7 West and Range 8 West, San Bernardino Baseline and Meridian (USGS 1982; Attachment B).

Ground-disturbance for the proposed new pump station would extend to a depth of approximately 3 feet (ft) for the footings for the building and the retaining wall. Activities associated with the removal of the existing pump station would not involve excavation. Excavation for the proposed new intertie would extend to a depth of approximately 6.5 ft and involve the removal of approximately 370 cubic yards (cy) of material (personal communication, Stantec Consulting Services, Inc. [Stantec] November 2020).

## RECORD SEARCH

On December 4, 2020, Michelle Galaz, Assistant Coordinator at the South Central Coastal Information Center (SCCIC), conducted a record search at the SCCIC of the California Historical Resources Information System (CHRIS) at California State University, Fullerton. The SCCIC, an affiliate of the California Office of Historic Preservation (OHP), is the official repository of cultural resources records and reports for Orange County. The record search included a review of all recorded historic-period and prehistoric cultural resources within a 0.25 mi radius of the project site, as well as a review of known cultural resources surveys and excavation reports. The record search also included a review of the following State and federal inventories:

- Built Environment Resources Directory (BERD)
- California Historical Landmarks (OHP 1996)
- California Points of Historical Interest (OHP 1992)
- *Five Views: An Ethnic Historic Site Survey for California* (OHP 1988)
- California Inventory of Historic Resources (OHP 1976)

## Record Search Results

The record search results (Attachment C) indicate that eight previous cultural resources studies have included the project site. The eight studies include archaeological survey (4), literature search (1), archaeological testing (1), and monitoring (2). The two project component locations with proposed ground disturbance (the proposed new pump station and proposed intertie locations) have been monitored for archaeological resources during previous ground-disturbing activities with negative findings for cultural resources (Brock 1991; Gust 1999). There have been 20 additional studies conducted within 0.25 mi of the project site. These 20 studies have included surveys (15), archaeological excavation (1), monitoring (3), and a record search (1).

The record search was negative for cultural resources within the project site. There have been 11 precontact archaeological resources previously recorded within 0.25 mi of the project site.

## ARCHAEOLOGICAL FIELD SURVEY

On December 7, 2020, LSA Archaeologist Aaron McCann conducted a pedestrian survey of the project site. The survey focused on the proposed pump station and the intertie locations. The existing pump station location was not surveyed because the work area is paved and no excavation is proposed. The proposed pump station location is situated between two existing commercial developments to the north and south, Lake Forest Drive to the east, and Serrano Creek Trail to the west. The eastern two-thirds of this location exhibited 100 percent ground visibility and consisted of a graded pad with compacted fill and gravel. The other portion of the proposed pump station location had less than 10 percent ground visibility and was a landscaped slope with no native sediments visible. The intertie location was situated in a landscaped portion of a shopping center that is bordered by Portola Parkway to the west. Ground visibility at the intertie location was less than 10 percent, and no native sediment was visible due to landscaping. No archaeological resources were identified during the field survey.



## SUMMARY AND RECOMMENDATIONS

The cultural resources study, consisting of a record search and a field survey, did not identify archaeological cultural resources within the project site. There have been 11 precontact archaeological resources previously recorded within 0.25 mi of the project site; however, the two project component locations with proposed ground disturbance (i.e., the proposed new pump station and proposed intertie locations) have been monitored for archaeological resources during previous ground-disturbing activities with negative findings for cultural resources (Brock 1991; Gust 1999). Given the previous disturbance of the project site and the negative findings during archaeological monitoring of the previous ground disturbance, the likelihood of encountering subsurface archaeological cultural resources during ground-disturbing construction activities is low.

No additional cultural resource studies are recommended for the proposed project. In the unlikely event that cultural resources are encountered during project activities, contractors should stop work within 50 ft of the find and contact a qualified professional archaeologist (such as a Registered Professional Archaeologist) to assess the nature and significance of the find and determine if future monitoring is appropriate. If deemed appropriate, monitoring should continue until excavation is complete, or until the qualified archaeologist, based on field observations, is satisfied there is no likelihood of encountering intact archaeological deposits. Upon completion of any monitoring activities, the archaeologist should prepare a report to document the methods and results of monitoring activities. This report should be submitted to the SCCIC.

If human remains are encountered, the regulatory process outlined in Health and Safety Code Section 7050.5 must be followed, which involves coordination with the Native American Heritage Commission and a Native American Most Likely Descendant.

If you have any questions concerning the content or the intent of this memorandum, please contact me at [kerrie.collison@lsa.net](mailto:kerrie.collison@lsa.net) or (805) 782-0745.

Attachment:   A: References  
                  B: Project Figures  
                  C: Record Search Results – CONFIDENTIAL

## ATTACHMENT A

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## **ATTACHMENT B**

## **PROJECT FIGURES**



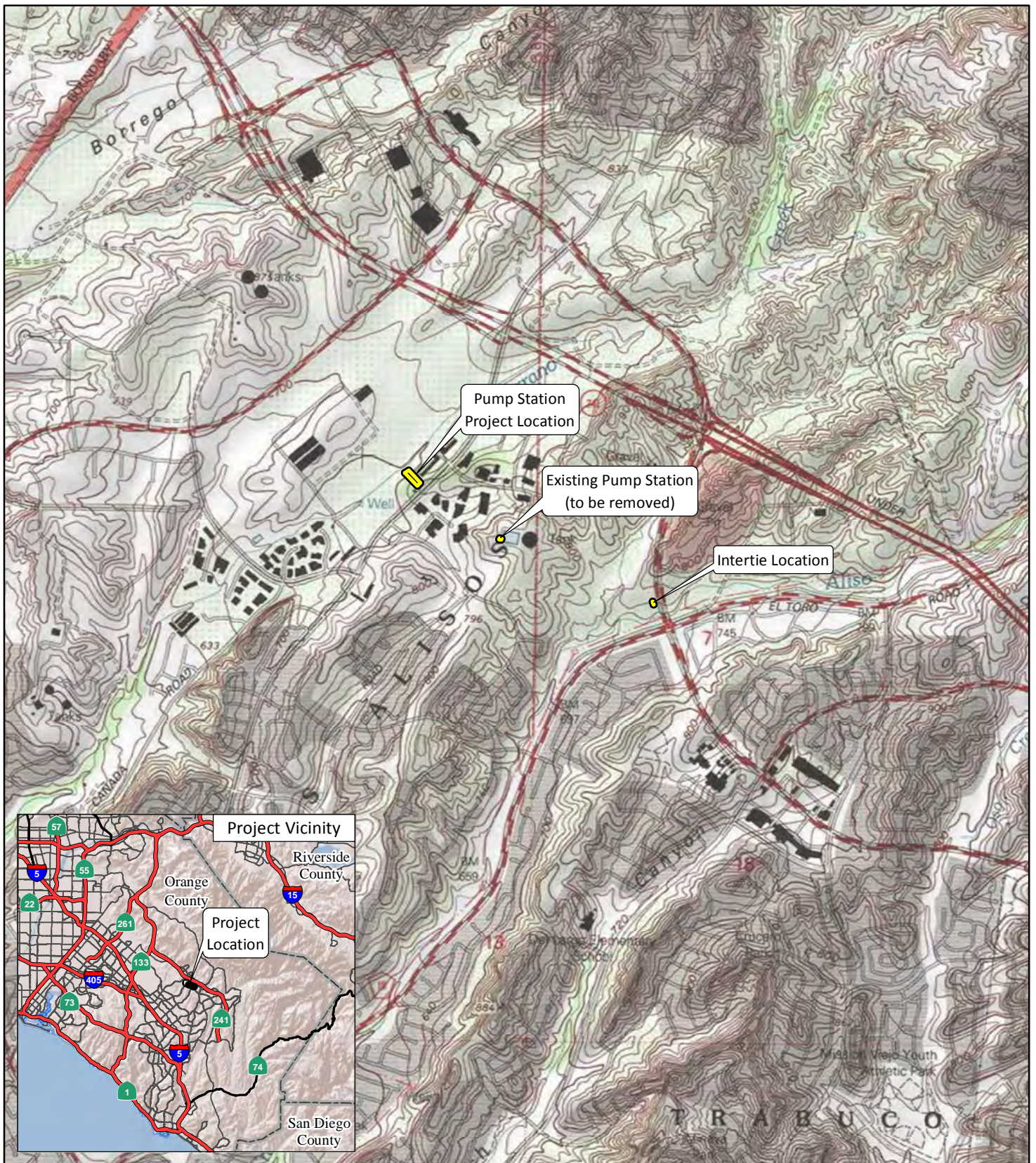


FIGURE 1

LSA

LEGEND

 Project Location



0 1000 2000  
FEET

SOURCE: USGS 7.5' Quad - El Toro (1982), CA

I:\IRW2001.01\GIS\MXD\ProjectLocation\_USGS.mxd (12/9/2020)

Lake Forest Zone B to C Pump Station Project  
Project Location





FIGURE 2

LSA

LEGEND

 Project Location



0 300 600  
FEET

SOURCE: Google Maps (2019)

I:\IRW2001.01\GIS\MXD\ProjectLocation\_Aerial.mxd (12/21/2020)

Lake Forest Zone B to C Pump Station Project  
Project Location

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## ATTACHMENT C

### RECORD SEARCH RESULTS

**CONFIDENTIAL – NOT FOR PUBLIC DISTRIBUTION**

This attachment is not included in the IS/MND for confidentiality purposes.

## **APPENDIX D**

# **PALEONTOLOGICAL ANALYSIS OF THE LAKE FOREST ZONE B TO C PUMP STATION PROJECT**



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## MEMORANDUM

**DATE:** December 11, 2020

**To:** Nicole Dubois, Principal, LSA

**FROM:** Sarah Rieboldt, Ph.D., Associate/Senior Paleontologist, LSA

**SUBJECT:** Paleontological Analysis of the Lake Forest Zone B to C Pump Station Project, Lake Forest, Orange County, California

### INTRODUCTION

This memorandum was prepared to ensure that the proposed Lake Forest Zone B to C Pump Station Project (Project) in Lake Forest, Orange County, California, is in compliance with all applicable State and City of Lake Forest (City) regulations and requirements regarding paleontological resources, as well as the standards of the Society of Vertebrate Paleontology (SVP, 2010). The applicable regulations and requirements include the California Environmental Quality Act (CEQA): Public Resources Code (PRC) Division 13, Chapter 2.6; the *State CEQA Guidelines*: California Code of Regulations, Title 14, Chapter 3, Appendix G; PRC §5097.5; and the City General Plan, Policy RR-3 (City of Lake Forest, 2020). This memorandum addresses the potential for the proposed Project to impact paleontological resources and includes mitigation measures and other recommendations to minimize these impacts, if needed. The Irvine Ranch Water District (IRWD) is the Lead Agency for CEQA compliance.

### PROJECT DESCRIPTION AND LOCATION

The purpose of the proposed Project is to improve the water quality within IRWD’s Zone B to C recycled water system by constructing a new recycled water pump station. In addition to the construction of the new Zone B to C Recycled Water Pump Station, the proposed Project would decommission the existing Zone B to C Pump Station, located adjacent to the existing IRWD Zone B East Reservoir. The proposed Project would also develop a proposed new intertie between the Upper Oso Reservoir and the Lake Forest Zone C distribution system. The proposed new intertie would provide the ability to isolate Upper Oso Reservoir from IRWD’s recycled water distribution system.

The proposed new pump station would be located on a 0.413-acre site (Assessor’s Parcel No. 612-031-15) between 20411 and 20381 Lake Forest Drive. The existing pump station is located off a paved road running north from Regency Lane, and the proposed new intertie is located along the southbound side of Portola Parkway just north of its intersection with El Toro Road. Figure 1 (Attachment B) depicts the location of all three components of the proposed Project on the *El Toro*

7.5-minute United States Geological Survey (USGS) topographic quadrangle map in unsectioned land of the Los Alisos Land Grant (USGS, 1982).

## **Proposed Facilities**

### *New Lake Forest Zone B to C Pump Station*

The proposed new Lake Forest Zone B to C Pump Station would be located on the site where Lake Forest Well No. 5 was previously located and would be designed to supply Zone B recycled water to Zone C as a closed-loop system. The proposed pump station would have a maximum capacity of 2,250 gallons per minute (gpm) at 124 feet (ft) of total dynamic head. The proposed pump station would include variable-speed pumps with a pumping range from essentially 0 gpm to the full flow of 2,250 gpm, a magnetic flow meter, a pressure relief valve, a motor control center, variable-frequency drives, instrumentation and controls, a standby emergency generator, and related equipment. The proposed pumping facilities would be operated on a minimum pressure requirement of 110 pounds per square inch (psi) at the pump station discharge and engage parallel pumps in series to meet system flow demands.

### *Demolition of Existing Lake Forest Zone B to C Pump Station*

The demolition of the existing Lake Forest Zone B to C Pump Station would occur after the construction of the new pump station. The items to be demolished include the majority of the exposed piping, valves, fittings, gauges, sensors, pumps, bases, and pipe stands. The pump bases and any other raised concrete surfaces would be left in place. The Zone B suction piping from the existing Zone B East Reservoir would be cut back and equipped with a flushout. The Zone C discharge piping would be cut back and equipped with a blind flange and an air and vacuum relief valve. The motor control center (MCC) and remote terminal unit (RTU) cabinets would be protected in place until the relocation of the equipment critical to the Zone B East Reservoir has been completed. The existing retaining wall and fence would be protected in place.

### *Santa Margarita Water District Intertie*

Currently, IRWD's Zone C recycled water system is floated on the Santa Margarita Water District (SMWD) Upper Oso Reservoir to maintain operational pressure. After the construction of the proposed new pump station, Zone C would typically be isolated from the Upper Oso Reservoir and operate as a closed-loop system. IRWD would maintain an operational connection with the Oso Reservoir and construct a new meter located along Portola Parkway, between El Toro Road and Saddleback Parkway. The proposed intertie would be closed during normal operations but is available to augment recycled water supplies into the IRWD Lake Forest Zone C system during maintenance operations of the IRWD system or in response to a call from SMWD for IRWD to provide recycled water flows into the Upper Oso Reservoir. The proposed intertie would also be used by IRWD to deliver excess recycled water flow to SMWD during low demand periods.

## **Excavation Parameters**

Excavation for the proposed new pump station would extend to a depth of approximately 3 ft for the footings for the building and the retaining wall (Stantec, 2020). Activities associated with the removal of the existing pump station would not involve excavation (Stantec, 2020). Excavation for

the proposed new intertie would extend to a depth of approximately 6.5 ft (IRWD, 2020) and involve the removal of approximately 370 cubic yards (cy) of material (Stantec, 2020).

## METHODS

LSA examined geologic maps of the Project site and reviewed relevant geological and paleontological literature to determine which geologic units are present in the Project site and whether fossils have been recovered in the Project site or from similar geologic units elsewhere in the region. A search for known fossil localities was also conducted through the Natural History Museum of Los Angeles County (NHMLA) in order to determine the status and extent of previously recorded paleontological resources within and surrounding the Project site. On December 7, 2020, a pedestrian field survey of the new pump station and the intertie portions of the Project site was conducted. As the portion of the Project site that includes the existing pump station is completely paved, a survey of that portion was not warranted or conducted.

## RESULTS

### Literature Review

The Project site is in the northern Peninsular Ranges Geomorphic Province, a 900-mile (mi) long northwest–southeast trending structural block that extends from the Transverse Ranges in the north to the tip of Baja California in the south and includes the Los Angeles Basin (California Geological Survey, 2002; Norris and Webb, 1976). The total width of this province is 225 mi, extending from the Colorado Desert in the east, across the continental shelf, to the Southern Channel Islands (Santa Barbara, San Nicolas, Santa Catalina, and San Clemente) in the west (Sharp, 1976). This province is characterized by a series of mountain ranges and valleys that trend in a northwest–southeast direction roughly parallel to the San Andreas Fault Zone (Norris and Webb, 1976; Sharp, 1976). It contains extensive pre-Cenozoic (more than 66 million years ago [Ma]) igneous and metamorphic rocks covered by a veneer of Cenozoic (66 Ma to Present) sedimentary deposits (Norris and Webb, 1976).

Geologic mapping by Morton and Miller (2006) indicates that the Project site contains Young Alluvial Fan Deposits, Very Old Axial Channel Deposits, and the Capistrano Formation (Figure 2). The draft geotechnical report prepared for this proposed Project also noted Artificial Fill in the Project site where the proposed new pump station would be located (Kleinfelder, 2020). Moreover, Artificial Fill is likely present in the portion of the Project site where the existing pump station is located as this area is previously developed and paved. These geologic units and their relative paleontological sensitivities are described in more detail below. The dates for the geologic time intervals are based on the International Chronostratigraphic Chart prepared by the International Commission on Stratigraphy (Cohen et al., 2020).

### *Artificial Fill*

Artificial Fill consists of sediments that have been removed from one location and transported to another by human activity rather than by natural means. The transportation distance can vary from a few feet to many miles, and composition is dependent on the source and purpose. Artificial Fill will sometimes contain modern debris such as asphalt, wood, bricks, concrete, metal, glass, plastic, and

even plant material. While Artificial Fill may contain fossils, these fossils have been removed from their original location and are thus out of stratigraphic context. Therefore, they are not considered important for scientific study, and Artificial Fill has no paleontological sensitivity. In borings conducted for the draft geotechnical report for this proposed Project, Kleinfelder (2020) noted Artificial Fill in the area of the new pump station extending from the surface to depths of 4 to 6 ft. Artificial Fill was noted during the field survey at the location of the proposed new pump station and at the location of the proposed new intertie.

### *Young Alluvial Fan Deposits*

The Young Alluvial Fan Deposits are Holocene to late Pleistocene in age (less than 129,000 years ago) and consist of unconsolidated silt, sand, and gravel (Morton and Miller, 2006). Cobble- and boulder-size clasts are also present and become more abundant closer to the hills and mountains (Morton and Miller, 2006). These sediments were eroded from higher elevations, carried by flooding streams and debris flows, and deposited in a fan or lobe shape at the base of the hills. They show slight to moderate dissection by erosional gullies (Morton and Miller, 2006). In one boring for the draft geotechnical report prepared for this proposed Project, the Young Alluvial Fan Deposits were noted beneath Artificial Fill beginning at a depth of approximately 6 ft in the northeastern portion of the area where the new pump station will be constructed (Kleinfelder, 2020).

Although Holocene (Present to 11,700 years ago) deposits can contain remains of plants and animals, only those from the middle to early Holocene (4,200 to 11,700 years ago) are considered scientifically important (SVP, 2010), and fossils from this time interval are not very common. However, the older, Pleistocene deposits in these geologic units have produced scientifically important fossils elsewhere in the region (Jefferson 1991a, 1991b; Miller 1971; Reynolds and Reynolds 1991; Springer et al. 2009). These older, Pleistocene deposits span the end of the Rancholabrean North American Land Mammal Age (NALMA), which dates from 11,000 to 240,000 years ago (Sanders et al., 2009) and was named for the Rancho La Brea fossil site in central Los Angeles. The presence of *Bison* defines the beginning of the Rancholabrean NALMA (Bell et al. 2004), but fossils from this time also include other large and small mammals, reptiles, fish, invertebrates, and plants (Jefferson 1991a, 1991b; Miller 1971; Reynolds and Reynolds 1991; Springer et al. 2009). There is a potential to find these types of fossils in the older sediments of this geologic unit, which may be encountered below a depth of approximately 10 ft. Therefore, these geologic units are assigned a low paleontological sensitivity above a depth of 10 ft and a high sensitivity below that mark.

### *Very Old Axial Channel Deposits*

The Very Old Axial Channel Deposits formed during the middle to early Pleistocene (129,000 years ago–2.58 Ma) (Morton and Miller, 2006) from sediment carried by rivers and streams down the mountains. These deposits are reddish-brown in color and predominantly composed of sand with local layers of gravel, pebbles, silt, and clay (Morton and Miller, 2006). They are moderately to well consolidated and have been dissected by erosional gullies (Morton and Miller, 2006). In one boring for the draft geotechnical report prepared for this proposed Project, the Very Old Axial Channel Deposits were noted beneath Artificial Fill beginning at a depth of approximately 4 ft in the southwestern portion of the area where the new pump station will be constructed (Kleinfelder, 2020).

These deposits formed during an interval that spans three NALMAs: the Rancholabrean, the Irvingtonian, and the Blancan and (Bell et al., 2004; Sanders et al., 2009). Fossils are known in similar Rancholabrean, Irvingtonian, and Blancan deposits from excavations for roads, housing developments, and quarries, as well as scientific investigations within the Southern California area (Bell et al., 2004; Miller, 1971; Pajak et al., 1996). These fossils include mammoths, mastodons, horses, camels, saber-toothed cats, coyotes, deer, peccaries, and sloths, as well as smaller animals like rodents, rabbits, birds, reptiles, and fish. As such, these deposits are considered to have high paleontological sensitivity.

#### *Capistrano Formation, Oso Member*

The marine Capistrano Formation in this area has two facies: (1) a sandstone facies formally named the Oso Member; and (2) a siltstone facies (Morton and Miller, 2006). The two facies are laterally equivalent and represent deposition in different environments: the siltstone member in deeper water farther offshore, and the Oso Member in shallower water closer to shore. Only the Oso Member is mapped within the Project site in the area of the existing pump station.

The Oso Member has been dated to the early late Hemphillian NALMA (5.8–6.6 Ma) (Barboza et al., 2017) and consists of white to pale yellowish-gray, friable, crudely bedded to massive, medium- to coarse-grained, feldspathic sandstone (Morton and Miller, 2006; Schoellhamer et al., 1981). In places, scattered matrix-supported pebbles and cobbles and shaly silt interbeds are present (Morton et al., 1976; Schoellhamer et al., 1981).

Schoellhamer et al. (1981) report that the Oso Member has produced whale bones, shark teeth, and echinoderms. During excavation for the Foothill Ranch Project in the foothills of the Santa Ana Mountains, a variety of scientifically important vertebrate fossils were recovered, including a rare partial skeleton of dolphin, as well as mollusc, bryozoan, echinoderm, shrimp, crocodile, whale, sea lion, bony fish, and rhinoceros remains (Sundberg, 1991). Another development project in the Santa Ana foothills produced a rare, nearly complete skull of the extant blue marlin, *Makaira nigricans* (Fierstine, 2008). And construction of two segments of State Route 241, between Bake Parkway and El Toro Road and from Bake Parkway to Portola Parkway North, produced some of the most diverse and important fossils (Minch and Hull, 1993; Minch and Leslie, 1994). Finds from these projects included algae, leaves and wood fragments from several plant genera, bivalves, gastropods, echinoids, sharks and rays, bony fish, sea turtles, toothed and baleen whales, sea cows, seals and/or sea lions, walrus, dolphins, horses, camels, elephants, and birds. These collections include one of the most complete specimens of an extinct walrus (Minch and Leslie, 1994). Based on the quality, quantity, and variety of fossils recovered from the Oso Member of the Capistrano Formation, this geologic unit has high paleontological sensitivity.

#### **Fossil Locality Search**

The fossil locality search through the NHMLA indicated that no fossil localities are present within the boundaries of the Project site. However, this search noted multiple fossil localities near the Project site from the Capistrano Formation. Fossils found from these localities include seals (including Otariidae and Imagitariinae), whales (Cetacea, Mysticeti, and *Herpetocetus*), dolphins (Pontoporiidae), and horse (*Equus*), as well as fish (Osteichthyes) and various marine invertebrates. A copy of the fossil locality search results through the NHMLA is included in Attachment C.

## Field Survey

The location for the proposed new pump station consists of a flat, rectangular lot with a dirt parking lot in the southeastern portion, overgrown vegetation in the northwestern portion, and a fenced and gated area with an exposed water pipe in the central portion. Visibility was excellent (approximately 95 percent) in the southeastern and central portions, where a few areas were obscured by piles of gravel, trash, a plastic tarp, and minor vegetation. In the northwestern portion, the substantial grasses, weeds, and overgrown trees and shrubs completely obscured the ground surface. Where visible, the sediments consisted of light gray, tan, and light reddish-brown silty sand intermixed with gravel, indicative of Artificial Fill.

The intertie location consists of a flat, rectangular area with substantial landscaping and one exposed pipe. Visibility was extremely poor at approximately 1 percent due to the presence of vegetation, mulch, and the sidewalk. Where visible, sediments consisted of light gray to tan silty sand with sparse gravel, indicative of Artificial Fill.

No paleontological resources were noted at either the location of the proposed new pump station or the proposed new intertie.

## CONCLUSIONS AND RECOMMENDATIONS

The Project site contains Artificial Fill, which has no paleontological sensitivity; Young Alluvial Fan Deposits, which have low paleontological sensitivity from the surface to a depth of 10 ft and high paleontological sensitivity below that mark; and Very Old Axial Channel Deposits and the Oso Member of the Capistrano Formation, both of which have high paleontological sensitivity. However, excavation for this proposed Project is expected to be limited in terms of location, as well as vertical and horizontal extent. At the existing pump station, which is the only place where the Oso Member of the Capistrano Formation is mapped, there will be no excavation. At the proposed new intertie location, excavation is expected to extend to a depth of 6.5 ft and remove only 370 cy. At the proposed new pump station, excavation for the building and retaining wall will extend to a depth of 3 ft, but those facilities appear to be located in the area mapped with Young Alluvial Fan Deposits. Therefore, the only activity that has the potential to impact paleontological resources is in the area of the intertie; however, as noted above, this activity is limited in depth and extent, making the potential for paleontological resources to be present and impacted by Project development very low. As such, LSA recommends the following mitigation measure in the unlikely event that paleontological resources are noted during the course of Project development:

**PALEO-1** In the event that paleontological resources are encountered, work in the immediate area of the discovery shall be halted, and the Irvine Ranch Water District (IRWD) shall retain a professional paleontologist who meets the qualifications established by the Society of Vertebrate Paleontology to assess the discovery. The qualified professional paleontologist shall make recommendations regarding the treatment and disposition of the discovered resources, as well as the need for subsequent paleontological mitigation, which may include, but not be limited to, paleontological monitoring; collection of observed resources; preservation, stabilization, and

identification of collected resources; curation of scientifically significant resources into a museum repository, and preparation of a monitoring report of findings.

Implementation of Mitigation Measure PALEO-1 will ensure that Project impacts on paleontological resources will be reduced to a level that is less than significant.

Attachments: A: References  
B: Figures  
C: Fossil Locality Search Results from the Natural History Museum of Los Angeles County

## ATTACHMENT A

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- 2009 The Diamond Valley Lake Local Fauna: Late Pleistocene Vertebrates from Inland Southern California. In L.B. Albright, III, ed. *Papers in Geology, Vertebrate Paleontology, and Biostratigraphy in Honor of Michael O. Woodburne*. *Museum of Northern Arizona Bulletin* 65:217–236.

Sundberg, Frederick A.

- 1991 Paleontological Monitoring Report for the Foothill Ranch Project, TT 117525 and 13419, Orange County, California. Prepared for William Lyon Communities by Scientific Resource Surveys, Inc. June 16, 1991. Scientific Resource Surveys Inc. Project Numbers 845, 853, 929, and 930.

United States Geological Survey (USGS)

- 1982 *El Toro, California* 7.5-minute topographic quadrangle. Published 1968, photorevised 1982. Denver, Colorado.

## **ATTACHMENT B**

### **FIGURES**

Figure 1: Project Location Map

Figure 2: Geology Map



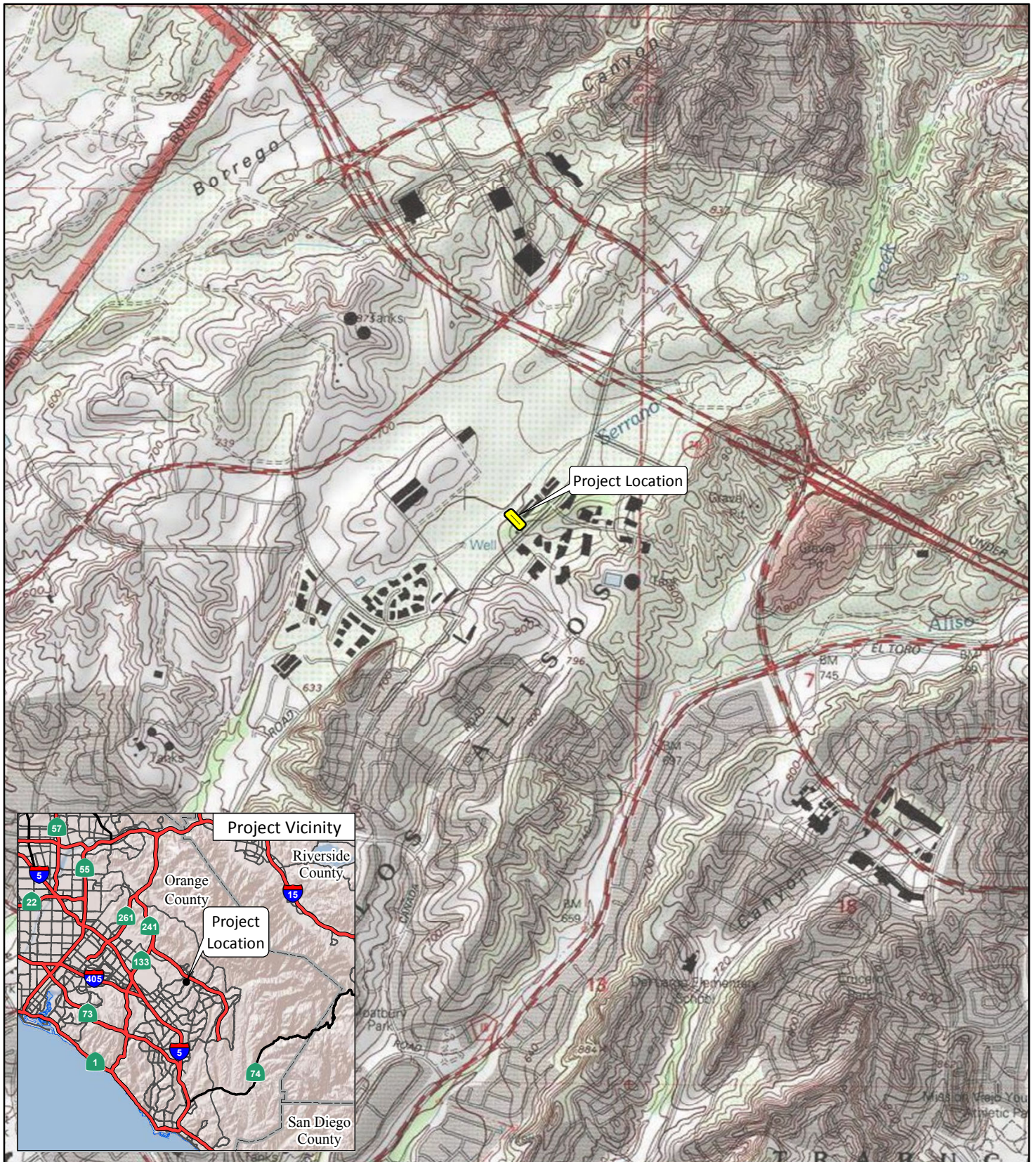
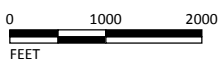


FIGURE 1

LSA

LEGEND

 Project Location



SOURCE: USGS 7.5' Quad - El Toro (1982), CA

I:\IRW2001.01\GIS\MXD\ProjectLocation\_USGS.mxd (10/27/2020)






FIGURE 2


LSA

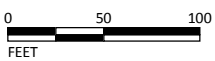
LEGEND

 Project Location

Geology

 Young Alluvial-Fan Deposits (Qyf)

 Very Old Axial-Channel Deposit (Qvoa)



SOURCE: Google (2018); USGS (2019)

I:\IRW2001.01\GIS\MXD\Paleo\Geology.mxd (11/4/2020)

Lake Forest Zone B to C Pump Station Project  
Geology Map

---

## ATTACHMENT C

# FOSSIL LOCALITY SEARCH RESULTS FROM THE NATURAL HISTORY MUSEUM OF LOS ANGELES COUNTY

Natural History Museum  
of Los Angeles County  
900 Exposition Boulevard  
Los Angeles, CA 90007

tel 213.763.DINO  
www.nhm.org

Research & Collections

e-mail: [paleorecords@nhm.org](mailto:paleorecords@nhm.org)

November 6, 2020

LSA Associates, Inc  
Attn: Sarah Rieboldt

re: Paleontological resources for the Lake Forest Zone B to C Pump Station Project (IRW2001.01)

Dear Sarah:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the Lake Forest Zone B to C Pump Station project area as outlined on the portion of the El Toro USGS topographic quadrangle map that you sent to me via e-mail on November 4, 2020. We do not have any fossil localities that lie directly within the proposed project area, but we do have fossil localities nearby from the same sedimentary deposits that occur in the proposed project area, either at the surface or at depth.

The following table shows the closest known localities in the collection of the Natural History Museum of Los Angeles County.

Locality Number	Location	Formation	Taxa	Depth
LACM VP 5500	east of Lake Forest Drive between Vintage Road on the north & Pittsford Drive on the south	Capistrano Fm	Seals (Pinnipedia)	unknown
LACM VP 7370 - 7372	Foothill Gateway; NW of the intersection of Portola Pkwy & El Toro Rd	Capistrano Formation (fine to coarse grained white sandstone)	Baleen whales ( <i>Mysticeti</i> and <i>Herpetocetus</i> ); horse ( <i>Equus</i> ); unidentified mammal (Mammalia); fish (Osteichthyes)	Unknown (collected during grading for Foothill Gateway development)
LACM IP 4987	Along the bank of Aliso Creek, near the intersection of El Torro Rd and Hwy 241	Capistrano Formation (concretionary gray siltstone)	Marine invertebrates	surface
LACM VP 4177	Along tributary stream of Aliso	Capistrano Formation (slightly	Unidentified mammals (Mammalia)	in creek bank

	Creek		indurated; gray; coarse sandstone with pebble lenses)	
LACM VP 7546-7547	N. side of Blake Parkway, W. of state highway 241	Capistrano Fm	Dolphin (Pontoporiidae), seal (Imagotariinae)	unknown
LACM VP 4666-4668	West of El Toro Road & north of Trabuco Road	Capistrano Formation, Oso Sand Member (cobble bed in sand)	Mammals, including eared seals (Otariidae), cetaceans (Cetacea)	22 ft bgs

*VP, Vertebrate Paleontology; IP, Invertebrate Paleontology; bgs, below ground surface*

This records search covers only the records of the Natural History Museum of Los Angeles County (“NHMLA”). It is not intended as a paleontological assessment of the project area for the purposes of CEQA or NEPA. Potentially fossil-bearing units are present in the project area, either at the surface or in the subsurface. As such, NHMLA recommends that a full paleontological assessment of the project area be conducted by a paleontologist meeting Bureau of Land Management or Society of Vertebrate Paleontology standards.

Sincerely,



Alyssa Bell, Ph.D.  
Natural History Museum of Los Angeles County

enclosure: invoice



## **APPENDIX E**

# **EDR RADIUS MAP REPORT WITH GEOCHECK FOR SAN JOAQUIN RESERVOIR**



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**Lake Forest Zone B To C Pump Station**

20381 Lake Forest Drive

Lake Forest, CA 92630

Inquiry Number: 6296277.2s

December 10, 2020

**The EDR Radius Map™ Report with GeoCheck®**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://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 report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

20381 LAKE FOREST DRIVE  
LAKE FOREST, CA 92630

#### COORDINATES

Latitude (North): 33.6657320 - 33° 39' 56.63"  
Longitude (West): 117.6649820 - 117° 39' 53.93"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 438348.9  
UTM Y (Meters): 3725099.0  
Elevation: 729 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5636489 EL TORO, CA  
Version Date: 2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140603  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
20381 LAKE FOREST DRIVE  
LAKE FOREST, CA 92630

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	FOOTHILL BUSINESS PA	20381 LAKE FOREST DR	HWTS		TP
A2	POLY-FREEZE INC	20381 LAKE FOREST PK	HAZNET, HWTS		TP
A3	POLY FREEZE INC	20381 LAKE FOREST DR	HAZNET, CERS, HWTS		TP
B4	ALCON RESEARCH LTD	20511 LAKE FOREST DR	RCRA-SQG, FINDS, HAZNET	Lower	607, 0.115, SW
B5	ALCON RESEARCH, LLC	20511 LAKE FOREST DR	CERS HAZ WASTE, CERS	Lower	607, 0.115, SW
C6	ELITE AUTOMOTIVE SER	26801 VISTA TER	RCRA NonGen / NLR	Higher	621, 0.118, ENE
C7	ELITE AUTOMOTIVE SER	26801 VISTA TER	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	621, 0.118, ENE
D8	POWER PROFESSIONAL C	20562 REGENCY LN F	DRYCLEANERS, EMI, CERS	Lower	680, 0.129, SSW
D9	POWER CLEANERS	20562 REGENCY LN STE	CERS HAZ WASTE, CERS	Lower	680, 0.129, SSW
D10	POWER PROF CLEANERS	20562 REGENCY LN	Orange Co. Industrial Site, DRYCLEANERS, HAZNET,...	Lower	680, 0.129, SSW
B11	LAKE FOREST ARCO	20572 LAKE FOREST DR	UST	Lower	802, 0.152, SSW
B12	ARCO	20572 LAKE FOREST	LUST, Cortese, CERS	Lower	802, 0.152, SSW
B13	ECONO LUBE N TUNE	20572 LAKE FOREST DR	RCRA-SQG, FINDS, ECHO	Lower	802, 0.152, SSW
B14	ADAM NICK & ASSOCIAT	20572 LAKE FOREST DR	RCRA NonGen / NLR	Lower	802, 0.152, SSW
B15	PREMIER FUEL DISTRIB	20572 LAKE FOREST DR	CERS HAZ WASTE, CERS TANKS, CHMIRS, HAZNET, CERS,	Lower	802, 0.152, SSW
B16	GRAB N GO 24/7	20572 LAKE FOREST DR	UST	Lower	802, 0.152, SSW
B17	ARCO AM/PM	20572 LAKE FOREST DR	LUST, SWEEPS UST	Lower	802, 0.152, SSW
D18	ECONO LUBE N TUNE	20592 LAKE FOREST DR	SWEEPS UST	Lower	851, 0.161, South
D19	CROSSROADS AUTOMOTIV	20592 LAKE FOREST DR	RCRA NonGen / NLR	Lower	851, 0.161, South
E20	GENERAL MONITORS	26776 SIMPATICA CIRC	RCRA NonGen / NLR	Higher	869, 0.165, SE
E21	GENERAL MONITORS	26776 SIMPATICA CIR	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	869, 0.165, SE
E22	GENERAL MONITORS	26776 SIMPATICA CIR	RCRA NonGen / NLR	Higher	869, 0.165, SE
F23	ZINCINATION INC DBA F	26881 VISTA TERRACE	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	1021, 0.193, East
F24	MERCEDES AND BMW REP	26881 VISTA TERRANCE	RCRA NonGen / NLR	Higher	1021, 0.193, East
G25	BEACON BAY CAR WASH	20602 LAKE FOREST	LUST, Cortese, CERS	Lower	1054, 0.200, SSW
G26	BEACON BAY FOOTHILL	20602 LAKE FOREST DR	UST	Lower	1054, 0.200, SSW
G27	CAR WASH EXPRESS	20602 LAKE FOREST DR	SWEEPS UST, CA FID UST	Lower	1054, 0.200, SSW
G28	ALCON RESEARCH, LLC	20521 LAKE FOREST DR	CERS HAZ WASTE, CERS	Lower	1057, 0.200, SW
29	LIQUIDMETAL TECHNOLO	20321 VALENCIA CIR	RCRA NonGen / NLR	Higher	1059, 0.201, ENE
F30	SADDLE BACK VALLEY O	26891 VISTA TERRACE	RCRA-LQG, CERS HAZ WASTE, NPDES, CIWQS, CERS	Higher	1103, 0.209, East
F31	QUIGLEY AUTO BODY	26921 VISTA TER	RCRA NonGen / NLR	Higher	1234, 0.234, East
32	TENEX HEALTH INC	26902 VISTA TER	RCRA NonGen / NLR	Higher	1247, 0.236, ESE
F33	G&C LARSEN INC DBA F	26911 VISTA TER	RCRA NonGen / NLR	Higher	1283, 0.243, East
F34	FOOTHILL AUTO SERVIC	26911 VISTA TERRACE	CERS HAZ WASTE, CERS	Higher	1283, 0.243, East
G35	NAKASE BROTHERS NURS	20621 LAKE FOREST DR	UST	Higher	1298, 0.246, SSW
G36	NAKASE BROTHERS WHOL	20621 LAKE FOREST DR	RCRA NonGen / NLR	Higher	1298, 0.246, SSW
G37	NAKASE BROTHERS NURS	20621 LAKE FOREST DR	CERS HAZ WASTE, CERS TANKS, WDS, CIWQS, CERS	Higher	1298, 0.246, SSW
38	CHEVRON	20731 LAKE FOREST	LUST, SWEEPS UST, Cortese, HIST CORTESE, CERS	Lower	1787, 0.338, SSW

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
FOOTHILL BUSINESS PA 20381 LAKE FOREST DR LAKE FOREST, CA 92630	HWTS	N/A
POLY-FREEZE INC 20381 LAKE FOREST PK LAKE FOREST, CA 92630	HAZNET GEPaid: CAC002315081 HWTS	N/A
POLY FREEZE INC 20381 LAKE FOREST DR LAKE FOREST, CA 92630	HAZNET GEPaid: CAL000213756 CERS HWTS	N/A

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing  
SEMS..... Superfund Enterprise Management System

### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

## EXECUTIVE SUMMARY

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

### ***Federal RCRA generators list***

RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System

US ENG CONTROLS..... Engineering Controls Sites List

US INST CONTROLS..... Institutional Controls Sites List

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State- and tribal - equivalent NPL***

RESPONSE..... State Response Sites

### ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR..... EnviroStor Database

### ***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF..... Solid Waste Information System

### ***State and tribal leaking storage tank lists***

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

CPS-SLIC..... Statewide SLIC Cases

### ***State and tribal registered storage tank lists***

FEMA UST..... Underground Storage Tank Listing

AST..... Aboveground Petroleum Storage Tank Facilities

INDIAN UST..... Underground Storage Tanks on Indian Land

### ***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Cleanup Program Properties

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Considered Brownfields Sites Listing

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites



## EXECUTIVE SUMMARY

### **Local Lists of Landfill / Solid Waste Disposal Sites**

WMUDS/SWAT.....	Waste Management Unit Database
SWRCY.....	Recycler Database
HAULERS.....	Registered Waste Tire Haulers Listing
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
ODI.....	Open Dump Inventory
IHS OPEN DUMPS.....	Open Dumps on Indian Land

### **Local Lists of Hazardous waste / Contaminated Sites**

US HIST CDL.....	Delisted National Clandestine Laboratory Register
HIST Cal-Sites.....	Historical Calsites Database
SCH.....	School Property Evaluation Program
CDL.....	Clandestine Drug Labs
Toxic Pits.....	Toxic Pits Cleanup Act Sites
US CDL.....	National Clandestine Laboratory Register
PFAS.....	PFAS Contamination Site Location Listing

### **Local Lists of Registered Storage Tanks**

HIST UST.....	Hazardous Substance Storage Container Database
---------------	--

### **Local Land Records**

LIENS.....	Environmental Liens Listing
LIENS 2.....	CERCLA Lien Information
DEED.....	Deed Restriction Listing

### **Records of Emergency Release Reports**

HMIRS.....	Hazardous Materials Information Reporting System
CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
Orange Co. Industrial Site.....	List of Industrial Site Cleanups
SPILLS 90.....	SPILLS 90 data from FirstSearch

### **Other Ascertainable Records**

FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties

## EXECUTIVE SUMMARY

PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CUPA Listings.....	CUPA Resources List
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
ICE.....	ICE
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
MINES MRDS.....	Mineral Resources Data System

### **EDR HIGH RISK HISTORICAL RECORDS**

#### ***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants

## EXECUTIVE SUMMARY

EDR Hist Auto..... EDR Exclusive Historical Auto Stations  
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

RGA LF..... Recovered Government Archive Solid Waste Facilities List  
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS 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. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal RCRA generators list***

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/15/2020 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>SADDLE BACK VALLEY O</i></b> EPA ID:: CAR000146894	<b><i>26891 VISTA TERRACE</i></b>	<b><i>E 1/8 - 1/4 (0.209 mi.)</i></b>	<b><i>F30</i></b>	<b><i>296</i></b>

RCRA-SQG: 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/15/2020 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ALCON RESEARCH LTD</b> EPA ID:: CAR000089235	<b>20511 LAKE FOREST DR</b>	<b>SW 0 - 1/8 (0.115 mi.)</b>	<b>B4</b>	<b>20</b>
<b>ECONO LUBE N TUNE</b> EPA ID:: CAD983588914	<b>20572 LAKE FOREST DR</b>	<b>SSW 1/8 - 1/4 (0.152 mi.)</b>	<b>B13</b>	<b>176</b>

### **State and tribal leaking storage tank lists**

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ARCO</b> Database: LUST, Date of Government Version: 09/08/2020 Database: ORANGE CO. LUST, Date of Government Version: 07/02/2020 Status: Completed - Case Closed Facility Id: 02UT008 Global Id: T0605947685	<b>20572 LAKE FOREST</b>	<b>SSW 1/8 - 1/4 (0.152 mi.)</b>	<b>B12</b>	<b>173</b>
<b>ARCO AM/PM</b> Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Case Closed Global ID: T0605947685	<b>20572 LAKE FOREST DR</b>	<b>SSW 1/8 - 1/4 (0.152 mi.)</b>	<b>B17</b>	<b>226</b>
<b>BEACON BAY CAR WASH</b> Database: LUST REG 8, Date of Government Version: 02/14/2005 Database: LUST, Date of Government Version: 09/08/2020 Database: ORANGE CO. LUST, Date of Government Version: 07/02/2020 Status: Completed - Case Closed Facility Id: 02UT003 Facility Status: Case Closed Global ID: T0605999998 Global Id: T0605999998	<b>20602 LAKE FOREST</b>	<b>SSW 1/8 - 1/4 (0.200 mi.)</b>	<b>G25</b>	<b>285</b>
<b>CHEVRON</b> Database: LUST REG 8, Date of Government Version: 02/14/2005 Database: LUST, Date of Government Version: 09/08/2020 Database: ORANGE CO. LUST, Date of Government Version: 07/02/2020 Status: Completed - Case Closed Facility Id: 97UT037 Facility Status: Case Closed Global ID: T0605902102 Global Id: T0605902102	<b>20731 LAKE FOREST</b>	<b>SSW 1/4 - 1/2 (0.338 mi.)</b>	<b>38</b>	<b>350</b>

## EXECUTIVE SUMMARY

### ***State and tribal registered storage tank lists***

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NAKASE BROTHERS NURS Database: UST, Date of Government Version: 09/08/2020 Facility Id: 11465	20621 LAKE FOREST DR	SSW 1/8 - 1/4 (0.246 mi.)	G35	331

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAKE FOREST ARCO Database: UST, Date of Government Version: 09/08/2020 Facility Id: 12020	20572 LAKE FOREST DR	SSW 1/8 - 1/4 (0.152 mi.)	B11	172
GRAB N GO 24/7 Database: ORANGE CO. UST, Date of Government Version: 07/01/2020 Facility Id: FA0024654	20572 LAKE FOREST DR	SSW 1/8 - 1/4 (0.152 mi.)	B16	226
BEACON BAY FOOTHILL Database: UST, Date of Government Version: 09/08/2020 Facility Id: 19793	20602 LAKE FOREST DR	SSW 1/8 - 1/4 (0.200 mi.)	G26	288

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Lists of Hazardous waste / Contaminated Sites***

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 07/20/2020 has revealed that there are 10 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>ELITE AUTOMOTIVE SER</i></b>	<b><i>26801 VISTA TER</i></b>	<b><i>ENE 0 - 1/8 (0.118 mi.)</i></b>	<b><i>C7</i></b>	<b><i>83</i></b>
<b><i>GENERAL MONITORS</i></b>	<b><i>26776 SIMPATICA CIR</i></b>	<b><i>SE 1/8 - 1/4 (0.165 mi.)</i></b>	<b><i>E21</i></b>	<b><i>234</i></b>
<b><i>ZINCATION INC DBA F</i></b>	<b><i>26881 VISTA TERRACE</i></b>	<b><i>E 1/8 - 1/4 (0.193 mi.)</i></b>	<b><i>F23</i></b>	<b><i>269</i></b>
<b><i>SADDLE BACK VALLEY O</i></b>	<b><i>26891 VISTA TERRACE</i></b>	<b><i>E 1/8 - 1/4 (0.209 mi.)</i></b>	<b><i>F30</i></b>	<b><i>296</i></b>
<b><i>FOOTHILL AUTO SERVIC</i></b>	<b><i>26911 VISTA TERRACE</i></b>	<b><i>E 1/8 - 1/4 (0.243 mi.)</i></b>	<b><i>F34</i></b>	<b><i>325</i></b>
<b><i>NAKASE BROTHERS NURS</i></b>	<b><i>20621 LAKE FOREST DR</i></b>	<b><i>SSW 1/8 - 1/4 (0.246 mi.)</i></b>	<b><i>G37</i></b>	<b><i>334</i></b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>ALCON RESEARCH, LLC</i></b>	<b><i>20511 LAKE FOREST DR</i></b>	<b><i>SW 0 - 1/8 (0.115 mi.)</i></b>	<b><i>B5</i></b>	<b><i>76</i></b>
<b><i>POWER CLEANERS</i></b>	<b><i>20562 REGENCY LN STE</i></b>	<b><i>SSW 1/8 - 1/4 (0.129 mi.)</i></b>	<b><i>D9</i></b>	<b><i>98</i></b>
<b><i>PREMIER FUEL DISTRIB</i></b>	<b><i>20572 LAKE FOREST DR</i></b>	<b><i>SSW 1/8 - 1/4 (0.152 mi.)</i></b>	<b><i>B15</i></b>	<b><i>181</i></b>
<b><i>ALCON RESEARCH, LLC</i></b>	<b><i>20521 LAKE FOREST DR</i></b>	<b><i>SW 1/8 - 1/4 (0.200 mi.)</i></b>	<b><i>G28</i></b>	<b><i>290</i></b>

## EXECUTIVE SUMMARY

### **Local Lists of Registered Storage Tanks**

SWEEPS UST: 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.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ARCO AM/PM</b> Status: A Tank Status: A Comp Number: 12020	<b>20572 LAKE FOREST DR</b>	<b>SSW 1/8 - 1/4 (0.152 mi.)</b>	<b>B17</b>	<b>226</b>
<b>ECONO LUBE N TUNE</b> Status: A Tank Status: A Comp Number: 12498	<b>20592 LAKE FOREST DR</b>	<b>S 1/8 - 1/4 (0.161 mi.)</b>	<b>D18</b>	<b>229</b>
<b>CAR WASH EXPRESS</b> Comp Number: 12655	<b>20602 LAKE FOREST DR</b>	<b>SSW 1/8 - 1/4 (0.200 mi.)</b>	<b>G27</b>	<b>289</b>

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 07/20/2020 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>NAKASE BROTHERS NURS</b>	<b>20621 LAKE FOREST DR</b>	<b>SSW 1/8 - 1/4 (0.246 mi.)</b>	<b>G37</b>	<b>334</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PREMIER FUEL DISTRIB</b>	<b>20572 LAKE FOREST DR</b>	<b>SSW 1/8 - 1/4 (0.152 mi.)</b>	<b>B15</b>	<b>181</b>

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CAR WASH EXPRESS</b> Facility Id: 30017393 Status: I	<b>20602 LAKE FOREST DR</b>	<b>SSW 1/8 - 1/4 (0.200 mi.)</b>	<b>G27</b>	<b>289</b>

## EXECUTIVE SUMMARY

### **Other Ascertainable Records**

RCRA NonGen / NLR: 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.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/15/2020 has revealed that there are 11 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ELITE AUTOMOTIVE SER EPA ID:: CAL000396671	26801 VISTA TER	ENE 0 - 1/8 (0.118 mi.)	C6	81
GENERAL MONITORS EPA ID:: CAC002981705	26776 SIMPATICA CIRC	SE 1/8 - 1/4 (0.165 mi.)	E20	232
GENERAL MONITORS EPA ID:: CAL000365457	26776 SIMPATICA CIR	SE 1/8 - 1/4 (0.165 mi.)	E22	267
MERCEDES AND BMW REP EPA ID:: CAL000424631	26881 VISTA TERRANCE	E 1/8 - 1/4 (0.193 mi.)	F24	282
LIQUIDMETAL TECHNOLO EPA ID:: CAL000431354	20321 VALENCIA CIR	ENE 1/8 - 1/4 (0.201 mi.)	29	293
QUIGLEY AUTO BODY EPA ID:: CAL000167877	26921 VISTA TER	E 1/8 - 1/4 (0.234 mi.)	F31	317
TENEX HEALTH INC EPA ID:: CAL000394243	26902 VISTA TER	ESE 1/8 - 1/4 (0.236 mi.)	32	320
G&C LARSEN INC DBA F EPA ID:: CAL000308936	26911 VISTA TER	E 1/8 - 1/4 (0.243 mi.)	F33	322
NAKASE BROTHERS WHOL EPA ID:: CAL000332733	20621 LAKE FOREST DR	SSW 1/8 - 1/4 (0.246 mi.)	G36	331

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ADAM NICK & ASSOCIAT EPA ID:: CAL000352231	20572 LAKE FOREST DR	SSW 1/8 - 1/4 (0.152 mi.)	B14	179
CROSSROADS AUTOMOTIV EPA ID:: CAL000212212	20592 LAKE FOREST DR	S 1/8 - 1/4 (0.161 mi.)	D19	229

Cortese: 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).

A review of the Cortese list, as provided by EDR, and dated 06/22/2020 has revealed that there are 3 Cortese sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ARCO</b> Cleanup Status: COMPLETED - CASE CLOSED	<b>20572 LAKE FOREST</b>	<b>SSW 1/8 - 1/4 (0.152 mi.)</b>	<b>B12</b>	<b>173</b>
<b>BEACON BAY CAR WASH</b>	<b>20602 LAKE FOREST</b>	<b>SSW 1/8 - 1/4 (0.200 mi.)</b>	<b>G25</b>	<b>285</b>

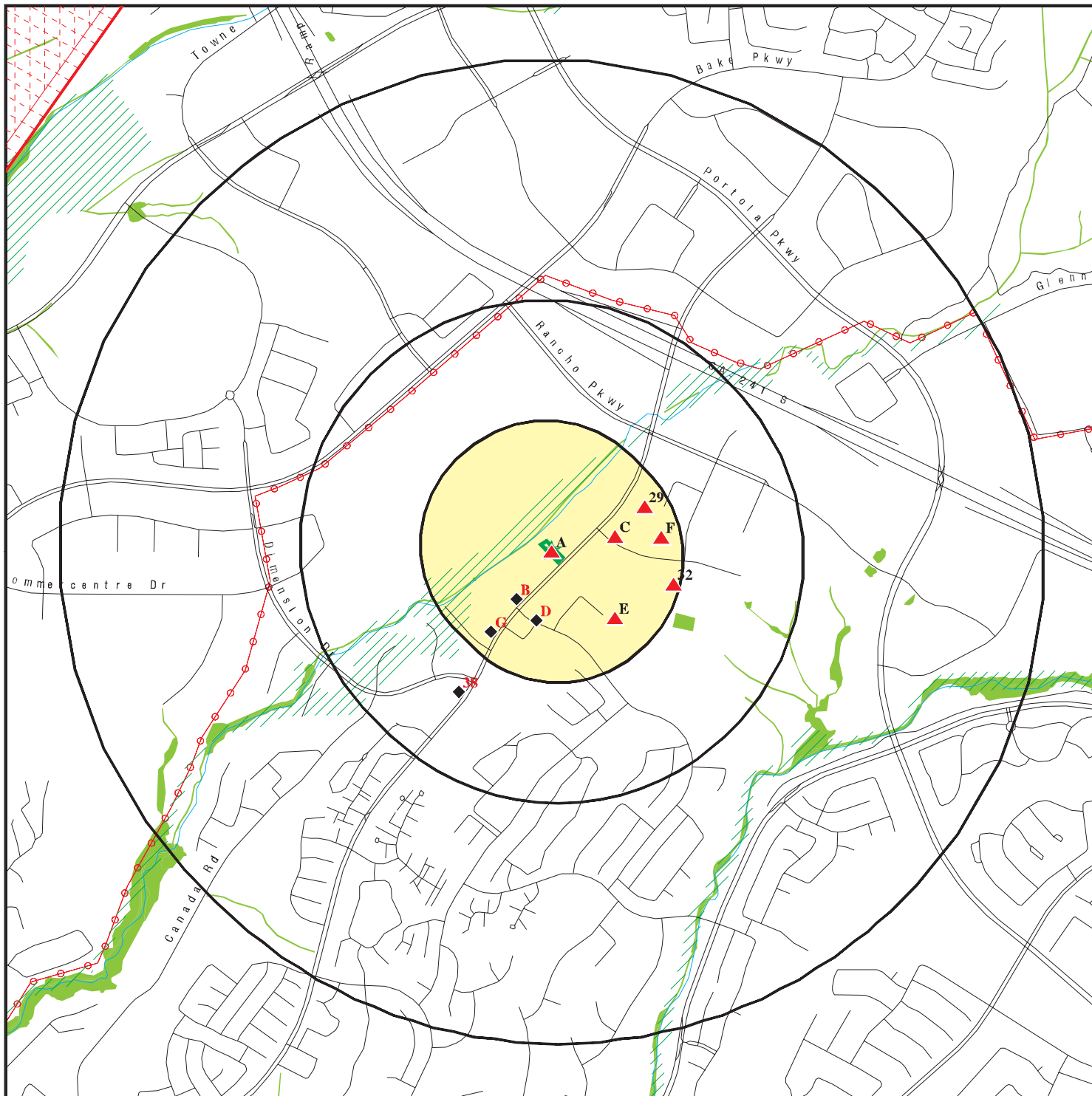




## EXECUTIVE SUMMARY

There were no unmapped sites in this report.

# OVERVIEW MAP - 6296277.2S



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

Power transmission lines

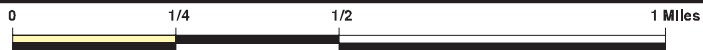
Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

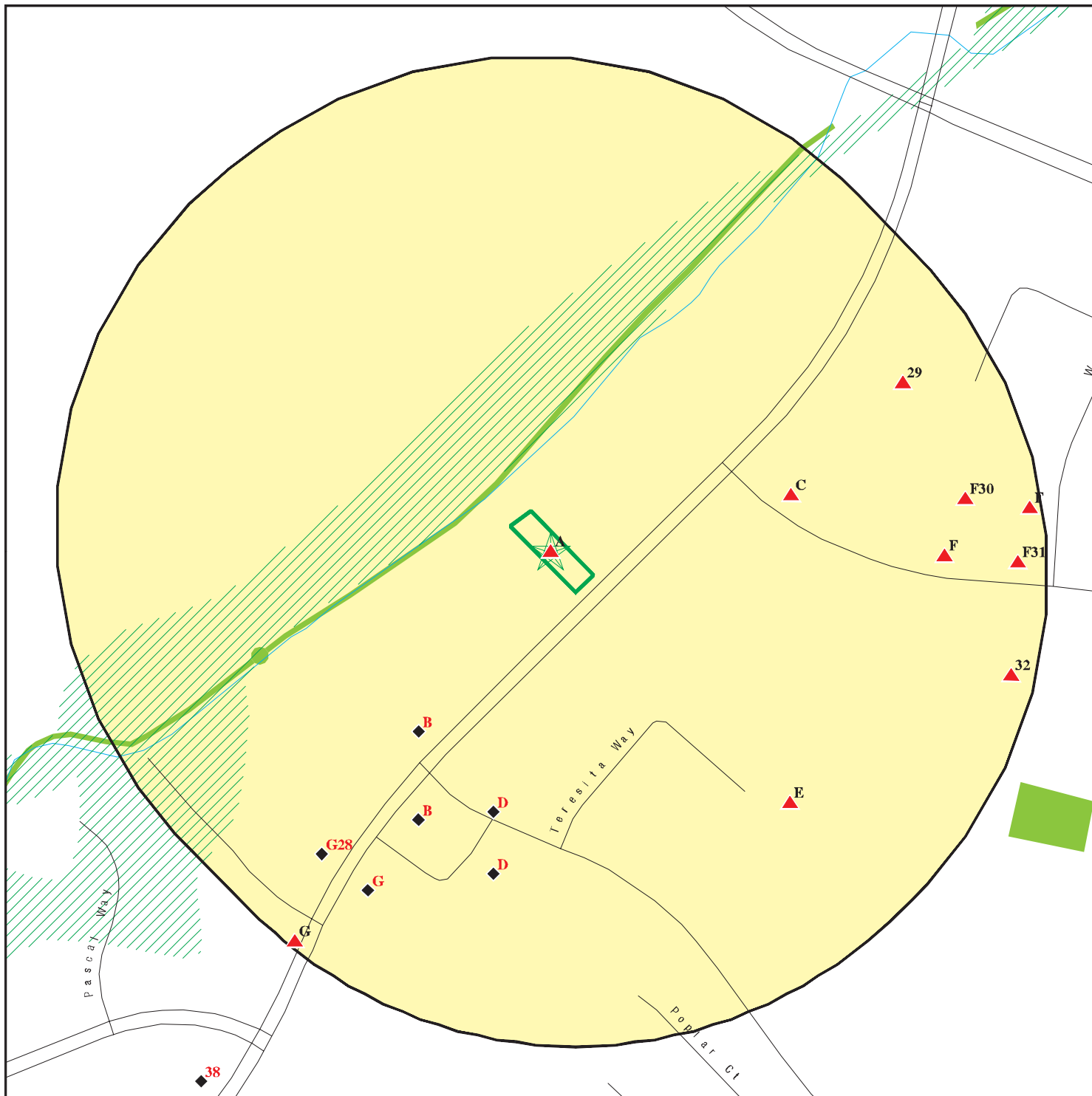







This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.







SITE NAME: Lake Forest Zone B To C Pump Station  
 ADDRESS: 20381 Lake Forest Drive  
 Lake Forest CA 92630  
 LAT/LONG: 33.665732 / 117.664982

CLIENT: LSA Associates  
 CONTACT: Abby Annicchiarico  
 INQUIRY #: 6296277.2s  
 DATE: December 10, 2020 2:49 pm

# DETAIL MAP - 6296277.2S



-  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
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands
-  Areas of Concern

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: Lake Forest Zone B To C Pump Station  
 ADDRESS: 20381 Lake Forest Drive  
 Lake Forest CA 92630  
 LAT/LONG: 33.665732 / 117.664982

CLIENT: LSA Associates  
 CONTACT: Abby Annicchiarico  
 INQUIRY #: 6296277.2s  
 DATE: December 10, 2020 2:52 pm

## 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		1	1	NR	NR	NR	2
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL RESPONSE</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i></b>								
ENVIROSTOR	1.000		0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		0	3	1	NR	NR	4

## 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
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
<b>State and tribal registered storage tank lists</b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	4	NR	NR	NR	4
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	0.001		0	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
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		2	8	NR	NR	NR	10
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
SWEEPS UST	0.250		0	3	NR	NR	NR	3
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	2	NR	NR	NR	2
CA FID UST	0.250		0	1	NR	NR	NR	1
<b>Local Land Records</b>								
LIENS	0.001		0	NR	NR	NR	NR	0

## 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
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
Orange Co. Industrial Site	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		1	10	NR	NR	NR	11
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	2	1	NR	NR	3

## 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
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	2	NR	NR	NR	2
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	2	0	NR	NR	NR	NR	2
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	1	NR	NR	1
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001	1	0	NR	NR	NR	NR	1
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	TP	3	NR	NR	NR	NR	NR	3
MINES MRDS	0.001		0	NR	NR	NR	NR	0
<b><u>EDR HIGH RISK HISTORICAL RECORDS</u></b>								
<b><i>EDR Exclusive Records</i></b>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		6	4	37	3	0	0	50

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
-----------------	--	----------------------------	-----------------	------------------	------------------	----------------	---------------	--------------------------

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database



Map ID  
 Direction  
 Distance  
 Elevation

**MAP FINDINGS**

Site

Database(s)

EDR ID Number  
 EPA ID Number

**A1**      **FOOTHILL BUSINESS PARK**  
**Target**    **20381 LAKE FOREST DR**  
**Property**   **LAKE FOREST, CA 92630**

**HWTS**    **S124576081**  
**N/A**

**Site 1 of 3 in cluster A**

**Actual:**  
**729 ft.**

**HWTS:**  
 Name:                      FOOHILL BUSINESS PARK  
 Address:                  20381 LAKE FOREST DR  
 Address 2:                Not reported  
 City,State,Zip:          LAKE FOREST, CA 92630  
 EPA ID:                    CAC002567080  
 Inactive Date:            12/25/2003  
 Create Date:             06/27/2003  
 Last Act Date:          06/27/2003  
 Mailing Name:            Not reported  
 Mailing Address:        20381 LAKE FOREST DR  
 Mailing Address 2:      Not reported  
 Mailing City,State,Zip: LAKE FOREST, CA 92630  
 Owner Name:              JIM ACKEL  
 Owner Address:          20381 LAKE FOREST DR  
 Owner Address 2:        Not reported  
 Owner City,State,Zip:   LAKE FOREST, CA 92630  
 Contact Name:            ROBERT DUNCAN/SALES  
 Contact Address:        20381 LAKE FOREST DR  
 Contact Address 2:      Not reported  
 City,State,Zip:          LAKE FOREST, CA 92630

**A2**      **POLY-FREEZE INC**  
**Target**    **20381 LAKE FOREST PKWY STE B4**  
**Property**   **LAKE FOREST, CA 92630**

**HAZNET**   **S112911525**  
**HWTS**      **N/A**

**Site 2 of 3 in cluster A**

**Actual:**  
**729 ft.**

**HAZNET:**  
 Name:                      POLY-FREEZE INC  
 Address:                  20381 LAKE FOREST PKWY STE B4  
 Address 2:                Not reported  
 City,State,Zip:          LAKE FOREST, CA 926300000  
 Contact:                    KATHY ROCHELEAU  
 Telephone:                9495970957  
 Mailing Name:            Not reported  
 Mailing Address:        20381 LAKE FOREST PKWY STE B4  
  
 Year:                        2001  
 Gepaid:                    CAC002315081  
 TSD EPA ID:              CAD028409019  
 CA Waste Code:         331 - Off-specification, aged or surplus organics  
 Disposal Method:        H01 - Transfer Station  
 Tons:                        0.0165  
  
 Year:                        2001  
 Gepaid:                    CAC002315081  
 TSD EPA ID:              CAD028409019  
 CA Waste Code:         281 - Adhesives  
 Disposal Method:        H01 - Transfer Station  
 Tons:                        0.1668

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POLY-FREEZE INC (Continued)**

**S112911525**

Additional Info:

Year: 2001  
Gen EPA ID: CAC002315081  
  
Shipment Date: 20010301  
Creation Date: 4/30/2001 0:00:00  
Receipt Date: 20010306  
Manifest ID: 20818625  
Trans EPA ID: CAR000047613  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD028409019  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD028409019  
TSDf Alt Name: Not reported  
Waste Code Description: 281 - Adhesives  
RCRA Code: Not reported  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.1668  
Waste Quantity: 40  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010301  
Creation Date: 4/30/2001 0:00:00  
Receipt Date: 20010306  
Manifest ID: 20818625  
Trans EPA ID: CAR000047613  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD028409019  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD028409019  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.0165  
Waste Quantity: 5  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

HWTS:

Name: POLY-FREEZE INC  
Address: 20381 LAKE FOREST PKWY STE B4  
Address 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POLY-FREEZE INC (Continued)**

**S112911525**

City,State,Zip: LAKE FOREST, CA 926300000  
EPA ID: CAC002315081  
Inactive Date: 09/11/2001  
Create Date: 02/27/2001  
Last Act Date: 09/11/2001  
Mailing Name: Not reported  
Mailing Address: 20381 LAKE FOREST PKWY STE B4  
Mailing Address 2: Not reported  
Mailing City,State,Zip: LAKE FOREST, CA 926300000  
Owner Name: POLY-FREEZE INC  
Owner Address: 20381 LAKE FOREST PKWY STE B4  
Owner Address 2: Not reported  
Owner City,State,Zip: LAKE FOREST, CA 926300000  
Contact Name: KATHY ROCHELEAU  
Contact Address: 20381 LAKE FOREST PKWY STE B4  
Contact Address 2: Not reported  
City,State,Zip: LAKE FOREST, CA 926300000

**A3  
Target  
Property**

**POLY FREEZE INC  
20381 LAKE FOREST DR STE B11  
LAKE FOREST, CA 92630**

**HAZNET S113108298  
CERS N/A  
HWTS**

**Site 3 of 3 in cluster A**

**Actual:  
729 ft.**

HAZNET:  
Name: ALL-LEAGUE SPORTS PHOTOS INC  
Address: 20381 LAKE FOREST DR STE B7  
Address 2: Not reported  
City,State,Zip: LAKE FOREST, CA 926308107  
Contact: CHARLES M BERNHARDT  
Telephone: 9495989297  
Mailing Name: Not reported  
Mailing Address: 20752 BURBANK  
  
Year: 2000  
Gepaid: CAL000213756  
TSD EPA ID: CAD981402522  
CA Waste Code: 541 - Photochemicals/photoprocessing waste  
Disposal Method: R01 - Recycler  
Tons: 2.064

**Additional Info:**

Year: 2000  
Gen EPA ID: CAL000213756  
  
Shipment Date: 20001018  
Creation Date: 1/9/2001 0:00:00  
Receipt Date: 20001024  
Manifest ID: 20447789  
Trans EPA ID: CAD982433575  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSD EPA ID: CAD981402522  
Trans Name: Not reported  
TSD Ait EPA ID: CAD981402522

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POLY FREEZE INC (Continued)**

**S113108298**

TSDF Alt Name: Not reported  
Waste Code Description: 541 - Photochemicals / photo processing waste  
RCRA Code: D011  
Meth Code: R01 - Recycler  
Quantity Tons: 0.0417  
Waste Quantity: 10  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20000803  
Creation Date: 10/23/2000 0:00:00  
Receipt Date: 20000810  
Manifest ID: 20241378  
Trans EPA ID: CAD982433575  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD981402522  
Trans Name: Not reported  
TSDF Alt EPA ID: CAD981402522  
TSDF Alt Name: Not reported  
Waste Code Description: 541 - Photochemicals / photo processing waste  
RCRA Code: D011  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2293  
Waste Quantity: 55  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20000714  
Creation Date: 9/25/2000 0:00:00  
Receipt Date: 20000720  
Manifest ID: 20249810  
Trans EPA ID: CAD982433575  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD981402522  
Trans Name: Not reported  
TSDF Alt EPA ID: CAD981402522  
TSDF Alt Name: Not reported  
Waste Code Description: 541 - Photochemicals / photo processing waste  
RCRA Code: D011  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2085  
Waste Quantity: 50  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POLY FREEZE INC (Continued)**

**S113108298**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000629
Creation Date:	8/28/2000 0:00:00
Receipt Date:	20000703
Manifest ID:	20249202
Trans EPA ID:	CAD982433575
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD981402522
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD981402522
TSDf Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.1876
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000615
Creation Date:	8/14/2000 0:00:00
Receipt Date:	20000627
Manifest ID:	20249089
Trans EPA ID:	CAD982433575
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD981402522
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD981402522
TSDf Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000601
Creation Date:	8/1/2000 0:00:00
Receipt Date:	20000606
Manifest ID:	20245462
Trans EPA ID:	CAD982433575

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POLY FREEZE INC (Continued)**

**S113108298**

Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981402522  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981402522  
TSDf Alt Name: Not reported  
Waste Code Description: 541 - Photochemicals / photo processing waste  
RCRA Code: D011  
Meth Code: R01 - Recycler  
Quantity Tons: 0.417  
Waste Quantity: 100  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20000510  
Creation Date: 7/12/2000 0:00:00  
Receipt Date: 20000518  
Manifest ID: 20241785  
Trans EPA ID: CAD982433575  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981402522  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981402522  
TSDf Alt Name: Not reported  
Waste Code Description: 541 - Photochemicals / photo processing waste  
RCRA Code: D011  
Meth Code: R01 - Recycler  
Quantity Tons: 0.3127  
Waste Quantity: 75  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20000412  
Creation Date: 6/13/2000 0:00:00  
Receipt Date: 20000420  
Manifest ID: 99822139  
Trans EPA ID: CAD982433575  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981402522  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 541 - Photochemicals / photo processing waste  
RCRA Code: D011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POLY FREEZE INC (Continued)**

**S113108298**

Meth Code: R01 - Recycler  
Quantity Tons: 0.2502  
Waste Quantity: 60  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20000329  
Creation Date: 5/30/2000 0:00:00  
Receipt Date: 20000404  
Manifest ID: 99423456  
Trans EPA ID: CAD982433575  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981402522  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981402522  
TSDf Alt Name: Not reported  
Waste Code Description: 541 - Photochemicals / photo processing waste  
RCRA Code: D011  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2919  
Waste Quantity: 70  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

CERS:  
Name: POLY FREEZE INC  
Address: 20381 LAKE FOREST DR STE B11  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 422317  
CERS ID: 10566088  
CERS Description: Chemical Storage Facilities

Violations:  
Site ID: 422317  
Site Name: POLY FREEZE INC  
Violation Date: 12/17/2015  
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)  
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.  
Violation Notes: Not reported  
Violation Division: Orange County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS  
Site ID: 422317

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POLY FREEZE INC (Continued)**

**S113108298**

Site Name: POLY FREEZE INC  
Violation Date: 12/17/2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.  
Violation Notes: Not reported  
Violation Division: Orange County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-24-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. I walked through the facility and inspected hazardous material storage areas. There has been changes in types of the hazardous material stored on site since last inspection. Business does not store 55 gallons of VM& P Naphtha anymore. Facility has the following hazardous materials that meet required disclosure quantities: - Acetone - 50% IPA/50% Water - IPA - 43 gallons liquid nitrogen Hazardous materials management training is provided annually in safety meetings. A copy of emergency plan is available on site. I assisted owner with correcting inventory forms, completed emergency plan, updated site map with evacuation area. All HMBP documents were submitted to CERS during inspection.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 12-17-2015  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: Orange County Environmental Health as the Certified Unified Program Agency (OC CUPA) is the administrating agency for the Hazardous Materials Disclosure and Business Emergency Plan programs (HMD/BEP) previously administered by the Orange County Fire Authority. During on an onsite inspection conducted on 5/26/15, this Agency requested that you electronically submit HMD/BEP forms. Electronic submission of these forms is a legal requirement. Failure to submit HMD/BEP forms is in violation of the California Health & Safety Code Chapter 6.95. According to our records there is no electronic submission for this facility. Please go to [www.esubmit.ocgov.com](http://www.esubmit.ocgov.com) to request a username and password and submit the following HMD/BEP forms within the next 30 days: - Business Activities form - Owner/Operator Identification form - Hazardous Material Chemical Inventory forms - Facility Site Map - Business Emergency Plan Businesses may also submit forms via [Truncated]  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POLY FREEZE INC (Continued)**

**S113108298**

Eval Date: 05-26-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Bruce and Matt Rocheleau assisted with the inspection. I walked through the facility and inspected hazardous materials storage area. The facility has the following hazardous materials that meet the required disclosure quantities: - 55 gallons of acetone - 110 gallons of 50% IPA - 55 gallons of VM& P Naphtha - 55 gallons of IPA - 165 liters liquid nitrogen Facility is required and has been notified to electronically submit the following documents within 30 days of this inspection: - Business Activities form - Owner/Operator Identification form - Hazardous Material Chemical Inventory forms - Facility Site Map - Business Emergency Plan Username and password was obtained during the inspection. I explained each component that needs to be uploaded with Bruce Rocheleau.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-09-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted to CERS on 4/24/17 were reviewed and not accepted with the following considerations: Acetone form must be revised as follows: - Fire Code Hazard Classes must be changed to G Flammable Liquid - Class I-B.G - This material was stored in a 55 gallon drum during onsite inspection conducted by this agency on 5/26/15. Please verify and change Inventory Storage Information to G Steel DrumG if it is still stored in a drum rather than a G Tank Inside Building.G - Storage Pressure and Storage Temperature must be listed. Isopropyl Alcohol: Fire Code Hazard Classes must be changed to G Flammable Liquid - Class I-B.G Isopropyl Alcohol 50% DI Water: CAS# listed in Chemical Identification & Physical Properties should be deleted since this is not a pure material. Also, 110 gallons of this material was observed during onsite inspection conducted by this agency on 5/26/15. Please verify total volume of this material stored on site and update if [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-23-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Went to facility to assist business owner with uploading HMBP documents. There were issues with CERS when trying to sign in. I assisted owner in drawing map but could not upload anything since CERS support did not respond while I was on site.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POLY FREEZE INC (Continued)**

**S113108298**

Eval Date: 08-16-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: Went to site to assist business owner in submitting HMBP documents. Owner was not in site. I discussed outstanding violation regarding failure to submit HMBP documents electronically with employee, Matthew Rocheleau. He stated he thought that documents were already submitted. I let him know that E-submit is not in operation and that CERS is now the portal to be used. He stated that he will have business owner contact me.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

**Affiliation:**

Affiliation Type Desc: Environmental Contact  
Entity Name: Bruce Rocheleau  
Entity Title: Not reported  
Affiliation Address: 20381 LAKE FOREST DR STE B11  
Affiliation City: LAKE FOREST  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 20381 Lake Forest Dr. B11  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: Essex management  
Entity Title: Not reported  
Affiliation Address: 20381 LAKE FOREST DR STE B11  
Affiliation City: LAKE FOREST  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 92630  
Affiliation Phone: (949) 584-9650

Affiliation Type Desc: Operator  
Entity Name: Bruce Rocheleau  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (949) 597-0957

Affiliation Type Desc: Parent Corporation  
Entity Name: POLY FREEZE INC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POLY FREEZE INC (Continued)**

**S113108298**

Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District  
Entity Name: Orange County Env Health  
Entity Title: Not reported  
Affiliation Address: 1241 East Dyer RoadSuite 120  
Affiliation City: Santa Ana  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92705-5611  
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Document Preparer  
Entity Name: Bruce Rocheleau  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Bruce Rocheleau  
Entity Title: President  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Bruce Rocheleau  
Entity Title: Not reported  
Affiliation Address: 20381 LAKE FOREST DR STE B11  
Affiliation City: LAKE FOREST  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 92630  
Affiliation Phone: (949) 597-0957

**HWTS:**

Name: ALL-LEAGUE SPORTS PHOTOS INC  
Address: 20381 LAKE FOREST DR STE B7  
Address 2: Not reported  
City,State,Zip: LAKE FOREST, CA 926308107  
EPA ID: CAL000213756  
Inactive Date: 06/30/2003  
Create Date: 02/18/2000

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**POLY FREEZE INC (Continued)**

**S113108298**

Last Act Date: 11/10/2003  
 Mailing Name: Not reported  
 Mailing Address: 20752 BURBANK  
 Mailing Address 2: Not reported  
 Mailing City,State,Zip: Foothill Ranch, CA 926100000  
 Owner Name: CHARLES M BERNHARDT  
 Owner Address: 20752 BURBANK  
 Owner Address 2: Not reported  
 Owner City,State,Zip: Foothill Ranch, CA 926100000  
 Contact Name: CHARLES M BERNHARDT  
 Contact Address: --  
 Contact Address 2: Not reported  
 City,State,Zip: LAKE FOREST, CA 926308107

**B4**  
**SW**  
 < 1/8  
 0.115 mi.  
 607 ft.

**ALCON RESEARCH LTD**  
**20511 LAKE FOREST DR**  
**LAKE FOREST, CA 92630**

**RCRA-SQG 1004676765**  
**FINDS CAR000089235**  
**HAZNET**

**Site 1 of 9 in cluster B**

**Relative:**  
**Lower**  
**Actual:**  
**697 ft.**

RCRA-SQG:  
 Date Form Received by Agency: 2013-03-06 00:00:00.0  
 Handler Name: ALCON RESEARCH LTD  
 Handler Address: 20511 LAKE FOREST DR  
 Handler City,State,Zip: LAKE FOREST, CA 92630  
 EPA ID: CAR000089235  
 Contact Name: ERIC QUACH  
 Contact Address: 15800 ALTON PKWY  
 Contact City,State,Zip: IRVINE, CA 92618  
 Contact Telephone: 949-453-7824  
 Contact Fax: 949-753-6496  
 Contact Email: ERIC.QUACH@ALCON.COM  
 Contact Title: HEALTH SAFETY AND ENV SPECIALIST  
 EPA Region: 09  
 Land Type: Private  
 Federal Waste Generator Description: Small Quantity Generator  
 Non-Notifier: Not reported  
 Biennial Report Cycle: Not reported  
 Accessibility: Not reported  
 Active Site Indicator: Handler Activities  
 State District Owner: Not reported  
 State District: Not reported  
 Mailing Address: 15800 ALTON PKWY  
 Mailing City,State,Zip: IRVINE, CA 92618  
 Owner Name: THE REALTY ASSOCIATES FUND VI  
 Owner Type: Private  
 Operator Name: ALCON RESEARCH LTD  
 Operator Type: Private  
 Short-Term Generator Activity: No  
 Importer Activity: No  
 Mixed Waste Generator: No  
 Transporter Activity: No  
 Transfer Facility Activity: No  
 Recycler Activity with Storage: No  
 Small Quantity On-Site Burner Exemption: No  
 Smelting Melting and Refining Furnace Exemption: No  
 Underground Injection Control: No  
 Off-Site Waste Receipt: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRC Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2013-03-06 16:41:43.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

**Hazardous Waste Summary:**

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Waste Code: D006  
Waste Description: CADMIUM

Waste Code: D008  
Waste Description: LEAD

Waste Code: D009  
Waste Description: MERCURY

Waste Code: F003  
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005  
Waste Description: 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: U080  
Waste Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Waste Code: U122  
Waste Description: FORMALDEHYDE

**Handler - Owner Operator:**

Owner/Operator Indicator: Owner  
Owner/Operator Name: THE REALTY ASSOCIATES FUND VI  
Legal Status: Private  
Date Became Current: 2002-08-01 00:00:00.  
Date Ended Current: Not reported  
Owner/Operator Address: 23046 AVENIDA DE LA CARLOTA  
Owner/Operator City,State,Zip: LAGUNA HILLS, CA 92653  
Owner/Operator Telephone: 949-752-2066  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: ALCON RESEARCH LTD  
Legal Status: Private  
Date Became Current: 2012-01-01 00:00:00.  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported  
Owner/Operator City,State,Zip: Not reported  
Owner/Operator Telephone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	AMBERJACK L T D
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1 STATE FARM PLAZA E-10
Owner/Operator City,State,Zip:	BLOOMINGTON, IL 61710
Owner/Operator Telephone:	309-766-0442
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2001-01-02 00:00:00.0
Handler Name:	WESTERN DIGITAL CORP
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2013-03-06 00:00:00.0
Handler Name:	ALCON RESEARCH LTD
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	339112
NAICS Description:	SURGICAL AND MEDICAL INSTRUMENT MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found
-------------	---------------------

Evaluation Action Summary:

Evaluations:	No Evaluations Found
--------------	----------------------

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

**FINDS:**

Registry ID: 110012221764

Click Here:

**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.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**HAZNET:**

Name: ALCON RESEARCH LTD  
Address: 20511 LAKE FOREST DR  
Address 2: Not reported  
City,State,Zip: LAKE FOREST, CA 926180000  
Contact: ERIC QUACH  
Telephone: 9494537824  
Mailing Name: Not reported  
Mailing Address: 15800 ALTON PARKWAY

Year: 2019  
Gepaid: CAR000089235  
TSD EPA ID: CAD008302903  
CA Waste Code: 331 - Off-specification, aged or surplus organics  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.41500

Year: 2019  
Gepaid: CAR000089235  
TSD EPA ID: CAD008302903  
CA Waste Code: 791 - Liquids with pH <= 2  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.03000

Year: 2019  
Gepaid: CAR000089235  
TSD EPA ID: CAD008302903  
CA Waste Code: 141 - Off-specification, aged or surplus inorganics  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.00250

Year: 2019  
Gepaid: CAR000089235  
TSD EPA ID: CAD008302903  
CA Waste Code: 181 - Other inorganic solid waste



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ALCON RESEARCH LTD (Continued)

1004676765

Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.01000  
Year: 2019  
Gepaid: CAR000089235  
TSD EPA ID: CAD008302903  
CA Waste Code: 352 - Other organic solids  
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site  
Tons: 0.07500  
Year: 2019  
Gepaid: CAR000089235  
TSD EPA ID: CAD008302903  
CA Waste Code: 352 - Other organic solids  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.42000  
Year: 2019  
Gepaid: CAR000089235  
TSD EPA ID: CAD008302903  
CA Waste Code: 331 - Off-specification, aged or surplus organics  
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site  
Tons: 2.52000  
Year: 2019  
Gepaid: CAR000089235  
TSD EPA ID: CAD008302903  
CA Waste Code: 343 - Unspecified organic liquid mixture  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.06000  
Year: 2019  
Gepaid: CAR000089235  
TSD EPA ID: CAD008302903  
CA Waste Code: 221 - Waste oil and mixed oil  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.20000  
Year: 2018  
Gepaid: CAR000089235  
TSD EPA ID: CAD008302903  
CA Waste Code: 791 - Liquids with pH <= 2  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.00500

[Click this hyperlink](#) while viewing on your computer to access 68 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:  
Year: 2009  
Gen EPA ID: CAR000089235

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Shipment Date: 20091223  
Creation Date: 3/5/2010 18:31:23  
Receipt Date: 20100106  
Manifest ID: 000312136VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D002  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.0075  
Waste Quantity: 15  
Quantity Unit: P  
Additional Code 1: D001  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20091223  
Creation Date: 3/5/2010 18:31:23  
Receipt Date: 20100106  
Manifest ID: 000312136VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: U080  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.01  
Waste Quantity: 20  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20091223  
Creation Date: 3/5/2010 18:31:23  
Receipt Date: 20100106  
Manifest ID: 000312136VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D002  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.03  
Waste Quantity: 60  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20091223  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000312136VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Meth Code: H020 - Solvents Recovery  
Quantity Tons: 0.2  
Waste Quantity: 400  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20091223  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000312136VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Quantity Tons:	Treatment/Reovery (H010-H129) Or (H131-H135)
Waste Quantity:	0.03
Quantity Unit:	60
Additional Code 1:	P
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091223
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000312136VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091223
Creation Date:	3/5/2010 18:31:23
Receipt Date:	20100106
Manifest ID:	000312136VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Additional Code 5: Not reported

Additional Info:

Year: 2014  
Gen EPA ID: CAR000089235

Shipment Date: 20141211  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000889343VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site  
Quantity Tons: 0.2  
Waste Quantity: 400  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20141211  
Creation Date: 2/24/2015 22:15:05  
Receipt Date: 20141223  
Manifest ID: 000889343VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20141211  
Creation Date: 2/24/2015 22:15:05

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Receipt Date: 20141223  
Manifest ID: 000889343VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: F003  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.06  
Waste Quantity: 120  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20141211  
Creation Date: 2/24/2015 22:15:05  
Receipt Date: 20141223  
Manifest ID: 000889343VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: F003  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.075  
Waste Quantity: 150  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20141211  
Creation Date: 2/24/2015 22:15:05  
Receipt Date: 20141223  
Manifest ID: 000889343VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141020
Creation Date:	1/8/2015 22:15:01
Receipt Date:	20141031
Manifest ID:	000889274VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140605
Creation Date:	8/9/2014 22:15:07
Receipt Date:	20140613
Manifest ID:	000653354VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.035

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140423
Creation Date:	6/18/2014 22:14:45
Receipt Date:	20140502
Manifest ID:	000652747VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140423
Creation Date:	6/18/2014 22:14:45
Receipt Date:	20140502
Manifest ID:	000652747VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Shipment Date: 20140328  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000652562VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2003  
Gen EPA ID: CAR000089235

Shipment Date: 20031223  
Creation Date: 8/11/2004 14:31:23  
Receipt Date: 20031230  
Manifest ID: 23368805  
Trans EPA ID: NJD080631369  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: ONYX ENVIRONMENTAL SERVICES LLC  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 343 - Unspecified organic liquid mixture  
RCRA Code: D001  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20031223  
Creation Date: 8/11/2004 14:31:23  
Receipt Date: 20031230  
Manifest ID: 23368805

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Trans EPA ID: NJD080631369  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: ONYX ENVIRONMENTAL SERVICES LLC  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: Not reported  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20031223  
Creation Date: 8/11/2004 14:31:23  
Receipt Date: 20031230  
Manifest ID: 23368805  
Trans EPA ID: NJD080631369  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: ONYX ENVIRONMENTAL SERVICES LLC  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D001  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20031223  
Creation Date: 8/11/2004 14:31:23  
Receipt Date: 20031230  
Manifest ID: 23368805  
Trans EPA ID: NJD080631369  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: ONYX ENVIRONMENTAL SERVICES LLC  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

RCRA Code: U002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.125  
Waste Quantity: 250  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2017  
Gen EPA ID: CAR000089235

Shipment Date: 20171206  
Creation Date: 8/10/2018 18:30:35  
Receipt Date: 20171218  
Manifest ID: 001189022VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20171206  
Creation Date: 8/10/2018 18:30:35  
Receipt Date: 20171218  
Manifest ID: 001189022VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: F003  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.075

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171206
Creation Date:	8/10/2018 18:30:35
Receipt Date:	20171218
Manifest ID:	001189022VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171206
Creation Date:	8/10/2018 18:30:35
Receipt Date:	20171218
Manifest ID:	001189022VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	U239
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Shipment Date:	20171012
Creation Date:	6/13/2018 18:30:55
Receipt Date:	20171024
Manifest ID:	001246705VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171012
Creation Date:	6/13/2018 18:30:55
Receipt Date:	20171024
Manifest ID:	001246705VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171012
Creation Date:	6/13/2018 18:30:55
Receipt Date:	20171024
Manifest ID:	001246705VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170918
Creation Date:	5/30/2018 18:32:48
Receipt Date:	20171004
Manifest ID:	001246811VEST
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.2
Waste Quantity:	2400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170906
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001085283VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.035  
Waste Quantity: 70  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20170906  
Creation Date: 7/19/2018 18:30:21  
Receipt Date: 20170919  
Manifest ID: 001085283VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:  
Year: 2016  
Gen EPA ID: CAR000089235

Shipment Date: 20151125  
Creation Date: 3/2/2016 22:15:14  
Receipt Date: 20151208  
Manifest ID: 001036160VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals  
RCRA Code: D002  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.005

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20151125  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 001036160VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: F003  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.2  
Waste Quantity: 400  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20151125  
Creation Date: 3/2/2016 22:15:14  
Receipt Date: 20151208  
Manifest ID: 001036160VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Shipment Date:	20151125
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001036160VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151125
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151208
Manifest ID:	001036160VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151125
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151208
Manifest ID:	001036160VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150820
Creation Date:	10/14/2015 22:15:09
Receipt Date:	20150827
Manifest ID:	000976081VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150820
Creation Date:	10/14/2015 22:15:09
Receipt Date:	20150827
Manifest ID:	000976081VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.075  
Waste Quantity: 150  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20150701  
Creation Date: 9/22/2015 22:15:56  
Receipt Date: 20150708  
Manifest ID: 001036352VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 141 - Off-specification, aged, or surplus inorganics  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.04  
Waste Quantity: 80  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20150701  
Creation Date: 9/22/2015 22:15:56  
Receipt Date: 20150708  
Manifest ID: 001036352VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.01  
Waste Quantity: 20  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2002  
Gen EPA ID: CAR000089235

Shipment Date: Not reported  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 20050628  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.03  
Waste Quantity: 60  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: Not reported  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 20050628  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2  
Waste Quantity: 400  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20021030

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Creation Date: 3/18/2003 18:31:41  
Receipt Date: 20021106  
Manifest ID: 20050628  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D001  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.01  
Waste Quantity: 20  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20021030  
Creation Date: 3/18/2003 18:31:41  
Receipt Date: 20021106  
Manifest ID: 20050628  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: F003  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.01  
Waste Quantity: 20  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20021030  
Creation Date: 3/18/2003 18:31:41  
Receipt Date: 20021106  
Manifest ID: 20050628  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20021030
Creation Date:	3/18/2003 18:31:41
Receipt Date:	20021106
Manifest ID:	20050628
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2007
Gen EPA ID:	CAR000089235
Shipment Date:	20070314
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000046780VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
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**ALCON RESEARCH LTD (Continued)**

**1004676765**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070314
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000046780VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070314
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000046780VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Additional Code 5:	Not reported
Shipment Date:	20070314
Creation Date:	8/18/2007 18:30:05
Receipt Date:	20070323
Manifest ID:	000046780VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	U134
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070314
Creation Date:	8/18/2007 18:30:05
Receipt Date:	20070323
Manifest ID:	000046780VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070314
Creation Date:	8/18/2007 18:30:05
Receipt Date:	20070323
Manifest ID:	000046780VES
Trans EPA ID:	NJD080631369



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070314
Creation Date:	8/18/2007 18:30:05
Receipt Date:	20070323
Manifest ID:	000046780VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070314
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000046780VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.2  
Waste Quantity: 400  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2010  
Gen EPA ID: CAR000089235

Shipment Date: 20101203  
Creation Date: 3/28/2011 18:30:08  
Receipt Date: 20101208  
Manifest ID: 000476447VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.125  
Waste Quantity: 250  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20101203  
Creation Date: 3/28/2011 18:30:08  
Receipt Date: 20101208  
Manifest ID: 000476447VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: D009  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101203
Creation Date:	3/28/2011 18:30:08
Receipt Date:	20101208
Manifest ID:	000476447VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101203
Creation Date:	3/28/2011 18:30:08
Receipt Date:	20101208
Manifest ID:	000476447VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000476447VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101015
Creation Date:	1/3/2011 18:30:46
Receipt Date:	20101022
Manifest ID:	000476234VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101015
Creation Date:	1/3/2011 18:30:46
Receipt Date:	20101022
Manifest ID:	000476234VES
Trans EPA ID:	NJD080631369

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101015
Creation Date:	1/3/2011 18:30:46
Receipt Date:	20101022
Manifest ID:	000476234VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101015
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000476234VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101015
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000476234VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2008
Gen EPA ID:	CAR000089235
Shipment Date:	20081224
Creation Date:	3/31/2009 18:30:08
Receipt Date:	20081231
Manifest ID:	000199042VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: D001  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20081224  
Creation Date: 3/31/2009 18:30:08  
Receipt Date: 20081231  
Manifest ID: 000199042VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: D009  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.2  
Waste Quantity: 400  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20081224  
Creation Date: 3/31/2009 18:30:08  
Receipt Date: 20081231  
Manifest ID: 000199042VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D002  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0025  
Waste Quantity: 5  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Additional Code 5:	Not reported
Shipment Date:	20081224
Creation Date:	3/31/2009 18:30:08
Receipt Date:	20081231
Manifest ID:	000199042VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081224
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000199042VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081224
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000199042VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.12
Waste Quantity:	240
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080206
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000098748VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080206
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000098748VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ALCON RESEARCH LTD (Continued)

1004676765

RCRA Code: D002  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
Shipment Date: 20080206  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000098748VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site  
Quantity Tons: 0.2  
Waste Quantity: 400  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
Shipment Date: 20080206  
Creation Date: 4/22/2008 18:30:36  
Receipt Date: 20080220  
Manifest ID: 000098748VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D002  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.02  
Waste Quantity: 40  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2013  
Gen EPA ID: CAR000089235

Shipment Date: 20131009  
Creation Date: 11/21/2013 22:15:08  
Receipt Date: 20131021  
Manifest ID: 000580200VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid  
Regeneration, Organics Recovery Ect

Quantity Tons: 0.2  
Waste Quantity: 400  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20131009  
Creation Date: 11/21/2013 22:15:08  
Receipt Date: 20131021  
Manifest ID: 000580200VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid  
Regeneration, Organics Recovery Ect

Quantity Tons: 0.2  
Waste Quantity: 400  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Shipment Date: 20130614  
Creation Date: 8/29/2013 22:15:18  
Receipt Date: 20130624  
Manifest ID: 000649431VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site  
Quantity Tons: 0.2  
Waste Quantity: 400  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2006  
Gen EPA ID: CAR000089235

Shipment Date: 20061216  
Creation Date: 4/19/2007 18:30:21  
Receipt Date: 20061221  
Manifest ID: 000047458VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.02  
Waste Quantity: 40  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20060411  
Creation Date: 7/29/2006 18:34:05  
Receipt Date: 20060426  
Manifest ID: 24655354

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060321
Creation Date:	7/27/2006 18:32:43
Receipt Date:	20060331
Manifest ID:	24655427
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060213
Creation Date:	7/5/2006 12:03:31
Receipt Date:	20060224
Manifest ID:	22536842
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

RCRA Code:	U080
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060213
Creation Date:	7/5/2006 12:03:31
Receipt Date:	20060224
Manifest ID:	22536842
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	U002
Meth Code:	R01 - Recycler
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060213
Creation Date:	7/5/2006 12:03:31
Receipt Date:	20060224
Manifest ID:	22536842
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Additional Code 5:	Not reported
Shipment Date:	20060213
Creation Date:	7/5/2006 12:03:31
Receipt Date:	20060224
Manifest ID:	22536842
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2004
Gen EPA ID:	CAR000089235
Shipment Date:	20041108
Creation Date:	1/14/2005 10:18:48
Receipt Date:	20041111
Manifest ID:	23368858
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040726
Creation Date:	1/10/2005 18:31:35
Receipt Date:	20040811

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Manifest ID:	22540007
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	NONE
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040726
Creation Date:	1/10/2005 18:31:35
Receipt Date:	20040811
Manifest ID:	22540007
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040726
Creation Date:	1/10/2005 18:31:35
Receipt Date:	20040811
Manifest ID:	22540007
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D001  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.0125  
Waste Quantity: 25  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20040726  
Creation Date: 1/10/2005 18:31:35  
Receipt Date: 20040811  
Manifest ID: 22540007  
Trans EPA ID: NJD080631369  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 343 - Unspecified organic liquid mixture  
RCRA Code: F003  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.0125  
Waste Quantity: 25  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:  
Year: 2015  
Gen EPA ID: CAR000089235

Shipment Date: 20151125  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 001036160VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.0375

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Waste Quantity: 75  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20151125  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 001036160VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: F003  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.2  
Waste Quantity: 400  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20151125  
Creation Date: 3/2/2016 22:15:14  
Receipt Date: 20151208  
Manifest ID: 001036160VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.01  
Waste Quantity: 20  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ALCON RESEARCH LTD (Continued)

1004676765

Shipment Date:	20151125
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151208
Manifest ID:	001036160VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151125
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151208
Manifest ID:	001036160VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151125
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151208
Manifest ID:	001036160VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150820
Creation Date:	10/14/2015 22:15:09
Receipt Date:	20150827
Manifest ID:	000976081VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150820
Creation Date:	10/14/2015 22:15:09
Receipt Date:	20150827
Manifest ID:	000976081VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.075  
Waste Quantity: 150  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20150701  
Creation Date: 9/22/2015 22:15:56  
Receipt Date: 20150708  
Manifest ID: 001036352VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: F003  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.075  
Waste Quantity: 150  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20150701  
Creation Date: 9/22/2015 22:15:56  
Receipt Date: 20150708  
Manifest ID: 001036352VES  
Trans EPA ID: NJD080631369  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.01  
Waste Quantity: 20  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2001  
Gen EPA ID: CAR000089235

Shipment Date: 20010801  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 20443649  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D001  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.0075  
Waste Quantity: 15  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010801  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 20443649  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: Not reported  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.0075  
Waste Quantity: 15  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010801

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 20443649  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: F002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010801  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 20443649  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: Not reported  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.0025  
Waste Quantity: 5  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010801  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 20443649  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

TSDF Alt EPA ID: CAD008302903  
TSDF Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010801  
Creation Date: 10/23/2001 0:00:00  
Receipt Date: 20010808  
Manifest ID: 20443649  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD008302903  
Trans Name: Not reported  
TSDF Alt EPA ID: CAD008302903  
TSDF Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D001  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2  
Waste Quantity: 400  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010801  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 20443649  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD008302903  
Trans Name: Not reported  
TSDF Alt EPA ID: CAD008302903  
TSDF Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.02  
Waste Quantity: 40  
Quantity Unit: P  
Additional Code 1: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010801  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 20443649  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: Not reported  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2  
Waste Quantity: 400  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010801  
Creation Date: 10/23/2001 0:00:00  
Receipt Date: 20010808  
Manifest ID: 20443649  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 343 - Unspecified organic liquid mixture  
RCRA Code: D001  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010801  
Creation Date: 10/23/2001 0:00:00  
Receipt Date: 20010808  
Manifest ID: 20443649

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D001  
Meth Code: R01 - Recycler  
Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2005  
Gen EPA ID: CAR000089235

Shipment Date: 20050608  
Creation Date: 9/15/2005 18:31:16  
Receipt Date: 20050617  
Manifest ID: 22536546  
Trans EPA ID: NJD080631369  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2  
Waste Quantity: 400  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20050608  
Creation Date: 9/15/2005 18:31:16  
Receipt Date: 20050617  
Manifest ID: 22536546  
Trans EPA ID: NJD080631369  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
TSDF Alt EPA ID: CAD008302903  
TSDF Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)  
RCRA Code: NONE  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.02  
Waste Quantity: 40  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20050608  
Creation Date: 9/15/2005 18:31:16  
Receipt Date: 20050617  
Manifest ID: 22536546  
Trans EPA ID: NJD080631369  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD008302903  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
TSDF Alt EPA ID: CAD008302903  
TSDF Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20050608  
Creation Date: 9/15/2005 18:31:16  
Receipt Date: 20050617  
Manifest ID: 22536546  
Trans EPA ID: NJD080631369  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD008302903  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
TSDF Alt EPA ID: CAD008302903  
TSDF Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D001  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.0125  
Waste Quantity: 25

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ALCON RESEARCH LTD (Continued)**

**1004676765**

Quantity Unit: P  
 Additional Code 1: Not reported  
 Additional Code 2: Not reported  
 Additional Code 3: Not reported  
 Additional Code 4: Not reported  
 Additional Code 5: Not reported

**B5  
 SW  
 < 1/8  
 0.115 mi.  
 607 ft.**

**ALCON RESEARCH, LLC BLDG. B  
 20511 LAKE FOREST DR BLDG B  
 LAKE FOREST, CA 92630**

**CERS HAZ WASTE  
 CERS**

**S123517719  
 N/A**

**Site 2 of 9 in cluster B**

**Relative:  
 Lower  
 Actual:  
 697 ft.**

**CERS HAZ WASTE:**  
 Name: ALCON RESEARCH, LLC BLDG. B  
 Address: 20511 LAKE FOREST DR BLDG B  
 City,State,Zip: LAKE FOREST, CA 92630  
 Site ID: 413135  
 CERS ID: 10581895  
 CERS Description: Hazardous Waste Generator

**CERS:**  
 Name: ALCON RESEARCH, LLC BLDG. B  
 Address: 20511 LAKE FOREST DR BLDG B  
 City,State,Zip: LAKE FOREST, CA 92630  
 Site ID: 413135  
 CERS ID: 10581895  
 CERS Description: Chemical Storage Facilities

**Evaluation:**  
 Eval General Type: Other/Unknown  
 Eval Date: 05-16-2017  
 Violations Found: No  
 Eval Type: Other, not routine, done by local agency  
 Eval Notes: Reviewed two Facility information documents submitted to CERS on 4/21/17. Did not accept first one (submitted at 2:44 PM) due to incorrect billing address. Accepted the second one (submitted at 3:03 PM) and added comment regarding assuming "Canada" listed under Owner Address is a mistake and to delete it next submission. Updated new contact information in EC.  
 Eval Division: Orange County Environmental Health  
 Eval Program: HMRRP  
 Eval Source: CERS

**Evaluation:**  
 Eval General Type: Other/Unknown  
 Eval Date: 08-12-2014  
 Violations Found: No  
 Eval Type: Other, not routine, done by local agency  
 Eval Notes: Started reviewing submittal in E-submit before conducting on site inspection.  
 Eval Division: Orange County Environmental Health  
 Eval Program: HMRRP  
 Eval Source: CERS

**Evaluation:**  
 Eval General Type: Other/Unknown  
 Eval Date: 12-04-2014  
 Violations Found: No  
 Eval Type: Other, not routine, done by local agency

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ALCON RESEARCH, LLC BLDG. B (Continued)

S123517719

Eval Notes: I received two emails from Eric Quach, regarding reportable volumes for helium, nitrogen and argon gases. He also wanted to know the units that refrigerant (404A) must be reported. I responded to both emails.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 01-26-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted to E-submit on 1/16/15 were reviewed and declined with the following considerations: Documents for Building A & C submitted under this address must be removed and submitted separately. Refrigerant (Genetron R404A) must be removed since total volume stored on site is below new reportable quantity of 1000 cubic feet (effective January 2015). Site map titled G Lake Forest G Hazardous MaterialsG cannot be opened. Submittal of evacuation maps for each floor is not required. The last page of the evacuation maps titled G Emergency Exit Assembly AreaG is the only map that should be submitted.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-14-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted annual certification documents submitted to E-submit on 2/26/16.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-31-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Alcon Research, LLC Bldg. B On site to conduct new hazardous materials chemical inventory and business emergency plan inspection due to change in ownership, business is no longer part of Novartis Corporation. Eric Quach granted consent to conduct inspection. I walked through the facility and perimeter inspected hazardous material storage areas. There has been no changes in types and/or volumes of the hazardous material stored on site since last inspection or previous reporting period. Facility stores diesel 900 gallons diesel (inside backup generator) on site. Spill kit and fire extinguisher were observed in backup generator enclosure. Hazardous materials management training is provided annually and training records are available electronically. Emergency contact information is posted on the hazardous waste storage room door. Security personnel in reception area has a copy of emergency plan and employees are trained to contact security in event of [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ALCON RESEARCH, LLC BLDG. B (Continued)

S123517719

Eval General Type:	Other/Unknown
Eval Date:	08-13-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Documents submitted on 11/27/13 have been reviewed and declined with the following considerations: Argon liquid should be reported in gallons, G Flammable or OxidizingG must be removed G Fire Code hazard ClassesG section, the G Storage PressureG changed from G AmbientG to G Below AmbientG and the G CryogenicG box under G Storage PressureG must be checked. The legend on the site map showing the entire complex, lists main sewer exit, gas shut off and water shut off. However, the locations are either not clear or marked on the site map. In addition, the storm drain is not shown on map.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-16-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Documents submitted to E-submit on 5/26/15 were reviewed and accepted
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-06-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector Comments: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Eric Quach granted consent to conduct inspection I walked through the facility and inspected hazardous materials storage area. Employees are trained initially when newly hired and annually. Records of topics covered and employees trained are available. All required documents have been electronically submitted to E-submit and were discussed during the inspection. The facility has diesel for back up generator at reportable quantity. Argon liquid (in two cylinders at 343 cubic feet) volume will be verified to determine if reportable. Two cylinders of refrigerant R404A stored in back up generator enclosure will be reported.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-20-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Eric Quach granted consent to conduct inspection. I walked the perimeter and inspected backup generator enclosure. There has been no changes in types and/or volumes of the hazardous material stored on site since last inspection or previous reporting period. Material stored on site in labs are below reporting thresholds. Spill kit and fire extinguisher were observed in backup

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH, LLC BLDG. B (Continued)**

**S123517719**

generator enclosure. Hazardous materials management training is provided annually. Employee training records are available electronically. Security personnel in reception area has a copy of emergency plan and employees are trained to contact security in event of emergency.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 12-03-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I received email from site contact requesting clarification on what my

comments regarding adding "emergency shut offs" to site map meant. I emailed him back stating that emergency shut offs include (main water, electricity and natural gas) and that symbols for all shut offs are in the legend of the site map that was submitted, but only the locations of the electric shut offs are shown on the site map. I requested that locations of water and natural gas (if thereG s natural gas at the facility) be shown.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-30-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted annual certification documents submitted to CERS

on 2/28/17 with comment to list G Fire Code Hazard ClassesG on inventory forms in next submission.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

**Affiliation:**

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 20511 Lake Forest Drive  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer  
Entity Name: Eric Quach  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH, LLC BLDG. B (Continued)**

**S123517719**

Affiliation Type Desc: Environmental Contact  
Entity Name: Eric Quach  
Entity Title: Not reported  
Affiliation Address: 15800 Alton Parkway  
Affiliation City: Irvine  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92618  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Alcon Research, LLC  
Entity Title: Not reported  
Affiliation Address: 20511 Lake Forest Drive  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 92630  
Affiliation Phone: (949) 939-3671

Affiliation Type Desc: Operator  
Entity Name: Alcon Research, LLC  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (949) 939-3671

Affiliation Type Desc: CUPA District  
Entity Name: Orange County Env Health  
Entity Title: Not reported  
Affiliation Address: 1241 East Dyer RoadSuite 120  
Affiliation City: Santa Ana  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92705-5611  
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Identification Signer  
Entity Name: Eric Quach  
Entity Title: Health Safety & Environment Specialist  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation  
Entity Name: ALCON RESEARCH LTD  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

EDR ID Number  
 EPA ID Number

---

**ALCON RESEARCH, LLC BLDG. B (Continued)**

**S123517719**

Affiliation Zip: Not reported  
 Affiliation Phone: Not reported

**C6**  
**ENE**  
**< 1/8**  
**0.118 mi.**  
**621 ft.**

**ELITE AUTOMOTIVE SERVICES LLC**  
**26801 VISTA TER**  
**LAKE FOREST, CA 92630**

**RCRA NonGen / NLR**

**1025869061**  
**CAL000396671**

**Site 1 of 2 in cluster C**

**Relative:**  
**Higher**  
**Actual:**  
**771 ft.**

RCRA NonGen / NLR:	
Date Form Received by Agency:	2014-05-12 00:00:00.0
Handler Name:	ELITE AUTOMOTIVE SERVICES LLC
Handler Address:	26801 VISTA TER
Handler City,State,Zip:	LAKE FOREST, CA 92630-8117
EPA ID:	CAL000396671
Contact Name:	ZIAD TRAIEH
Contact Address:	26801 VISTA TER
Contact City,State,Zip:	LAKE FOREST, CA 92630
Contact Telephone:	949-454-1000
Contact Fax:	949-454-1856
Contact Email:	ZTRAIEH@ELITEAUTOMOTIVESERVICES.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	26801 VISTA TER
Mailing City,State,Zip:	LAKE FOREST, CA 92630-8117
Owner Name:	ZIAD TRAIEH
Owner Type:	Other
Operator Name:	ZIAD TRAIEH
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ELITE AUTOMOTIVE SERVICES LLC (Continued)**

**1025869061**

Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-09-10 12:40:56.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ZIAD TRAIEH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	26801 VISTA TER
Owner/Operator City,State,Zip:	LAKE FOREST, CA 92630
Owner/Operator Telephone:	949-454-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ZIAD TRAIEH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	26801 VISTA TER
Owner/Operator City,State,Zip:	LAKE FOREST, CA 92630-8117

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ELITE AUTOMOTIVE SERVICES LLC (Continued)**

**1025869061**

Owner/Operator Telephone: 949-454-1000  
 Owner/Operator Telephone Ext: Not reported  
 Owner/Operator Fax: Not reported  
 Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2014-05-12 00:00:00.0  
 Handler Name: ELITE AUTOMOTIVE SERVICES LLC  
 Federal Waste Generator Description: Not a generator, verified  
 State District Owner: Not reported  
 Large Quantity Handler of Universal Waste: No  
 Recognized Trader Importer: Not reported  
 Recognized Trader Exporter: Not reported  
 Spent Lead Acid Battery Importer: Not reported  
 Spent Lead Acid Battery Exporter: Not reported  
 Current Record: Yes  
 Non Storage Recycler Activity: Not reported  
 Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 811111  
 NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**C7**  
**ENE**  
**< 1/8**  
**0.118 mi.**  
**621 ft.**

**ELITE AUTOMOTIVE SERVICES LLC**  
**26801 VISTA TER**  
**LAKE FOREST, CA 92630**  
**Site 2 of 2 in cluster C**

**CERS HAZ WASTE** **S121019270**  
**HAZNET** **N/A**  
**CERS**  
**HWTS**

**Relative:**  
**Higher**  
**Actual:**  
**771 ft.**

CERS HAZ WASTE:  
 Name: ELITE AUTOMOTIVE SERVICES, LLC  
 Address: 26801 VISTA TERRACE  
 City,State,Zip: LAKE FOREST, CA 92630  
 Site ID: 28025  
 CERS ID: 10594003  
 CERS Description: Hazardous Waste Generator

HAZNET:

Name: ELITE AUTOMOTIVE SERVICES LLC  
 Address: 26801 VISTA TER  
 Address 2: Not reported  
 City,State,Zip: LAKE FOREST, CA 926308117  
 Contact: ZIAD TRAIH  
 Telephone: 9494541000  
 Mailing Name: Not reported  
 Mailing Address: 26801 VISTA TER

Year: 2018

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELITE AUTOMOTIVE SERVICES LLC (Continued)**

**S121019270**

Gepaid: CAL000396671  
TSD EPA ID: CAL000330453  
CA Waste Code: 352 - Other organic solids  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No  
Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.10000

Year: 2018  
Gepaid: CAL000396671  
TSD EPA ID: CAL000330453  
CA Waste Code: 352 - Other organic solids  
Disposal Method: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect  
Tons: 0.45000

Year: 2017  
Gepaid: CAL000396671  
TSD EPA ID: CAL000330453  
CA Waste Code: 352 - Other organic solids  
Disposal Method: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect  
Tons: 0.8

Year: 2017  
Gepaid: CAL000396671  
TSD EPA ID: CAL000330453  
CA Waste Code: 352 - Other organic solids  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No  
Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.1

Year: 2016  
Gepaid: CAL000396671  
TSD EPA ID: CAL000330453  
CA Waste Code: 352 - Other organic solids  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No  
Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.4

**Additional Info:**

Year: 2017  
Gen EPA ID: CAL000396671

Shipment Date: 20171211  
Creation Date: 8/10/2018 18:30:24  
Receipt Date: 20171211  
Manifest ID: 018251549JJK  
Trans EPA ID: CAL000330453  
Trans Name: CLEANTECH ENVIRONMENTAL  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAL000330453  
Trans Name: CLEANTECH ENVIRONMENTAL  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELITE AUTOMOTIVE SERVICES LLC (Continued)**

**S121019270**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171211
Creation Date:	8/10/2018 18:30:24
Receipt Date:	20171211
Manifest ID:	018251549JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170824
Creation Date:	6/20/2018 18:31:51
Receipt Date:	20170824
Manifest ID:	017876844JJK
Trans EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAL000330453
Trans Name:	CLEANTECH ENVIRONMENTAL
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELITE AUTOMOTIVE SERVICES LLC (Continued)**

**S121019270**

**CERS:**

Name: ELITE AUTOMOTIVE SERVICES, LLC  
Address: 26801 VISTA TERRACE  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 28025  
CERS ID: 10594003  
CERS Description: Chemical Storage Facilities

**Violations:**

Site ID: 28025  
Site Name: Elite Automotive Services, LLC  
Violation Date: 7/24/2017  
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173  
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.  
Violation Notes: Returned to compliance on 09/18/2017. Drums and 5 gallon buckets storing used oil filters are not closed since they are overfilled. Please be advised that used filter drum must be stored closed unless in active use. Lid must be obtained for the used oil filter drums/buckets within 30 days of this inspection.  
Violation Division: Orange County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 28025  
Site Name: Elite Automotive Services, LLC  
Violation Date: 7/24/2017  
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)  
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.  
Violation Notes: Returned to compliance on 09/18/2017. Waste antifreeze drum and 5 gallon buckets storing used oil filters are not labeled. Each container and portable tank holding hazardous waste must be marked with the following information: 1. the words "HAZARDOUS WASTE" 2. Waste (name) 3. Hazardous property of the waste (e.g. - toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business Please label hazardous waste drum and containers that are not labeled within 30 days of this inspection.  
Violation Division: Orange County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 28025  
Site Name: Elite Automotive Services, LLC  
Violation Date: 7/24/2017  
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELITE AUTOMOTIVE SERVICES LLC (Continued)**

**S121019270**

Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violation Notes: Returned to compliance on 09/18/2017. Employee training records are not available on site. Please obtain training records and submit a copy to this agency within 30 days of this inspection.

Violation Division: Orange County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-23-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Elite Automotive Services 26801 Vista Terrace Lake Forest, CA 92630 (949) 454-1000 On site to conduct new hazardous waste inspection. Ziaid Traieh granted consent to conduct inspection. Business moved into this facility in 5/2014. EPA ID# for this business is CAL000396671. I walked through the facility, perimeter and inspected waste storage area. I did not observe any hazardous waste in trash cans. Waste oil (3) and waste antifreeze (1) aboveground tanks are stored closed and labeled. Four waste oil filters drums are stored closed and labeled. There are no manifests to review since business is new. An emergency card was provided to be filled out and posted.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-24-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Eddie Yau granted consent to conduct inspection. I walked through the facility and inspected hazardous material storage areas. There has been no changes in types of the hazardous material stored but there has been changes in volume of waste antifreeze on site since last inspection or previous reporting period. Facility now has 110 gallons of waste antifreeze stored on site. Material shown on site map by the ramp in middle of the shop are no longer stored in that area. Please update waste antifreeze volume and site map in CERS within 30 days of this inspection. Hazardous materials management training is provided annually. Employee training records are not available on site. Please obtain training records and submit a copy to this agency within 30 days of this inspection. Emergency card is posted at the front entrance in a glass covered bulletin board.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-28-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELITE AUTOMOTIVE SERVICES LLC (Continued)**

**S121019270**

Eval Notes: Assisted owner Ziad Traieh in obtaining username/password in CERS and made required corrections.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-01-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted annual certification documents submitted to CERS on 2/10/17.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-28-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct routine hazardous waste inspection. Ziad Traieh granted consent to conduct inspection. I walked through the facility, perimeter and inspected waste storage area. I did not observe any hazardous waste in trash cans throughout the facility or in municipal trash. Waste oil (1) and waste antifreeze (1) aboveground tanks are stored closed and labeled. Used oil filters/metal (1) and used oil filter/paper (1) drums are stored closed and labeled. Manifests were reviewed. Emergency card is posted at the front entrance in a glass covered bulletin board.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 09-18-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: On site to conduct follow up inspection and correct violation I239 regarding failure to provide hazardous materials management training for employees, cited during routine inspection conducted on 7/24/17. Employees were trained on 8/21/17. Sign in sheet is available for review. Violation has been corrected.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-23-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Elite Automotive Services 26801 Vista Terrace Lake Forest, CA 92630 (949) 454-1000 On site to conduct new hazardous materials chemical inventory and business emergency plan inspection. I walked through the facility and inspected hazardous materials storage areas. The facility has hazardous materials (new oil, waste oil, waste antifreeze and used oil filters) that meet the required disclosure quantities. Facility is required and has been notified to electronically submit the following



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELITE AUTOMOTIVE SERVICES LLC (Continued)**

**S121019270**

documents within 30 days of this inspection: - Business Activities form - Owner/Operator Identification form - Hazardous Material Chemical Inventory forms - Facility Site Map - Business Emergency Plan Documents must be electronically submitted by going to [www.esubmit.ocgov.com](http://www.esubmit.ocgov.com) and requesting a username and password. User guides and tutorials are located on the home page to help you get started. If you are having trouble, please call (714) 433-6000 and request to speak [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-25-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes:

On site to conduct routine hazardous waste inspection. I walked through the facility, perimeter and inspected waste storage area. I did not observe any hazardous waste in municipal trash or trash cans throughout the facility. Waste oil is stored in an aboveground tank and a drum. Both waste oil tank and drum are stored closed and labeled. Waste antifreeze is stored in an aboveground tank and a drum. Waste antifreeze tank and drum are stored closed and labeled. Used oil filters/metals (2) and used oil filters/paper (1) drums are stored closed and labeled. Manifests were reviewed. Emergency card is posted at the front entrance in a glass covered bulletin board.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-26-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted documents submitted to CERS on 7/25/18 that included updated inventory forms and emergency plan.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-17-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes:

On site to conduct routine hazardous waste inspection. Joe Diorio granted consent to conduct inspection. I walked through the facility, perimeter and inspected waste storage area. I did not observe any hazardous waste in municipal trash or trash cans throughout the facility. Waste oil and waste antifreeze are stored in an aboveground tanks that are kept closed and labeled. Used oil filters/metals and metal (3) are stored closed and labeled. Manifests were reviewed. Emergency card is posted at the front entrance in a glass covered bulletin board.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELITE AUTOMOTIVE SERVICES LLC (Continued)**

**S121019270**

Eval General Type:	Other/Unknown
Eval Date:	08-01-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Accepted revised documents submitted to CERS on 7/28/16.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-11-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Documents submitted to CERS on 8/18/15 were reviewed and declined with the following consideration: One Hazardous Materials Inventory form has been submitted for G Motor Oil and ATF (Automatic Transmission Fluid)G and G Waste Motor Oil, ATF, Base lubes and oils.G Please be advised that a hazardous materials inventory form must be submitted for each material. Individual forms for motor oil, waste motor and ATF must be submitted. Also, a form for waste ATF must be submitted if total volume stored on site is 55 gallons or more.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-18-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On site to conduct follow up inspection to correct violations 1400 regarding failure to properly label hazardous waste containers and 1617 regarding failure to properly close hazardous waste containers when not in use, cited during routine inspection conducted on 7/24/17. Eddie Yau granted consent to conduct inspection. I walked through the facility and inspected waste storage area. Facility does not have the 5 gallon buckets storing used oil filters anymore. Three drums storing used oil filters are stored closed and labeled. Waste antifreeze drum is properly labeled. Violation have been corrected.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-24-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site to conduct routine hazardous waste inspection. Eddie Yau granted consent to conduct inspection. I walked through the facility, perimeter and inspected waste storage area. I did not observe any hazardous waste in trash cans throughout the facility or in municipal trash. Waste oil is stored in an aboveground tank that is kept closed and labeled. Waste antifreeze is stored in one aboveground tank and a drum. The aboveground tank storing waste antifreeze is stored closed and labeled. The waste antifreeze drum is stored closed but not labeled properly. Used oil filters are stored in three drums and multiple 5 gallon buckets. Used oil filers drums are labeled but not closed since the drums are overfilled. The 5 gallon buckets are not

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELITE AUTOMOTIVE SERVICES LLC (Continued)**

**S121019270**

labeled or covered. Please be advised that be that drums storing hazardous waste must be labeled and stored closed unless in active use. Lids must be obtained for the used oil filter drums/containers and used antifreeze drum be [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-29-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct routine hazardous waste inspection. Ziad Traieh granted consent to conduct inspection. I walked through the facility, perimeter and inspected waste storage area. I did not observe any hazardous waste in trash cans throughout the facility or in municipal trash. Waste oil (1) and waste antifreeze (1) aboveground tanks are stored closed and labeled. Three used oil filters drums are stored closed and labeled. Manifests were reviewed. Emergency card is posted at the front entrance.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Coordinates:  
Site ID: 28025  
Facility Name: Elite Automotive Services, LLC  
Env Int Type Code: HWG  
Program ID: 10594003  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 33.666470  
Longitude: -117.662480

Affiliation:  
Affiliation Type Desc: Document Preparer  
Entity Name: Charles Berry  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Ziad Traieh  
Entity Title: Not reported  
Affiliation Address: 26801 Vista Terrace  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 92630  
Affiliation Phone: (949) 226-6649

Affiliation Type Desc: Environmental Contact

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELITE AUTOMOTIVE SERVICES LLC (Continued)**

**S121019270**

Entity Name: Charles Berry  
Entity Title: Not reported  
Affiliation Address: 1441 S. Paso Real #243  
Affiliation City: Rowland Heights  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 91748  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Ziad Traieh  
Entity Title: PRESIDENT  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation  
Entity Name: Elite Automotive Services, LLC  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District  
Entity Name: Orange County Env Health  
Entity Title: Not reported  
Affiliation Address: 1241 East Dyer Road Suite 120  
Affiliation City: Santa Ana  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92705-5611  
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 26801 Vista Terrace  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: Ziad Traieh  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELITE AUTOMOTIVE SERVICES LLC (Continued)**

**S121019270**

Affiliation Phone: (949) 226-6649

**HWTS:**

Name: ELITE AUTOMOTIVE SERVICES LLC  
Address: 26801 VISTA TER  
Address 2: Not reported  
City,State,Zip: LAKE FOREST, CA 926308117  
EPA ID: CAL000396671  
Inactive Date: Not reported  
Create Date: 05/12/2014  
Last Act Date: 08/20/2019  
Mailing Name: Not reported  
Mailing Address: 26801 VISTA TER  
Mailing Address 2: Not reported  
Mailing City,State,Zip: LAKE FOREST, CA 926308117  
Owner Name: ZIAD TRAIH  
Owner Address: 26801 VISTA TER  
Owner Address 2: Not reported  
Owner City,State,Zip: LAKE FOREST, CA 926308117  
Contact Name: ZIAD TRAIH  
Contact Address: 26801 VISTA TER  
Contact Address 2: Not reported  
City,State,Zip: LAKE FOREST, CA 92630

**NAICS:**

EPA ID: CAL000396671  
Create Date: 2014-05-12 11:28:03.390  
NAICS Code: 811111  
NAICS Description: General Automotive Repair  
Issued EPA ID Date: 2014-05-12 11:28:03.38000  
Inactive Date: Not reported  
Facility Name: ELITE AUTOMOTIVE SERVICES LLC  
Facility Address: 26801 VISTA TER  
Facility Address 2: Not reported  
Facility City: LAKE FOREST  
Facility County: Not reported  
Facility State: CA  
Facility Zip: 926308117

**D8**  
**SSW**  
**1/8-1/4**  
**0.129 mi.**  
**680 ft.**

**POWER PROFESSIONAL CLEANERS CORPORATION**  
**20562 REGENCY LN F**  
**LAKE FOREST, CA 92630**  
**Site 1 of 5 in cluster D**

**DRYCLEANERS** **S106837610**  
**EMI** **N/A**  
**CERS**

**Relative:**  
**Lower**  
**Actual:**  
**701 ft.**

**DRYCLEAN SOUTH COAST:**  
Name: POWER PROFESSIONAL CLEANERS CORPORATION  
Address: 20562 REGENCY LN F  
City,State,Zip: LAKE FOREST, CA 92630  
Facility ID: 83232  
Application Number: 242455  
Permit Number: D37125  
Status: A  
Representative Name: KHODER DOAIFI  
Representative Telephone: 949 4720393  
Permit Status: INACTIVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROFESSIONAL CLEANERS CORPORATION (Continued)**

**S106837610**

BCAT Number: 000234  
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE  
CCAT Number: Not reported  
CCAT Description: Not reported  
UTM East: 438.39700317  
UTM North: 3724.8149414

Name: POWER PROFESSIONAL CLEANERS CORPORATION  
Address: 20562 REGENCY LN F  
City,State,Zip: LAKE FOREST, CA 92630  
Facility ID: 83232  
Application Number: 304407  
Permit Number: D91875  
Status: A  
Representative Name: KHODER DOAIFI  
Representative Telephone: 949 4720393  
Permit Status: INACTIVE  
BCAT Number: 000601  
BCAT Description: DRY CLEANING, DRY-TO-DRY NON-VENT, PERC  
CCAT Number: Not reported  
CCAT Description: Not reported  
UTM East: 438.39700317  
UTM North: 3724.8149414

Name: POWER PROFESSIONAL CLEANERS CORPORATION  
Address: 20562 REGENCY LN F  
City,State,Zip: LAKE FOREST, CA 92630  
Facility ID: 83232  
Application Number: 357894  
Permit Number: Not reported  
Status: A  
Representative Name: KHODER DOAIFI  
Representative Telephone: 949 4720393  
Permit Status: Not reported  
BCAT Number: 000601  
BCAT Description: DRY CLEANING, DRY-TO-DRY NON-VENT, PERC  
CCAT Number: Not reported  
CCAT Description: Not reported  
UTM East: 438.39700317  
UTM North: 3724.8149414

Name: POWER PROFESSIONAL CLEANERS CORPORATION  
Address: 20562 REGENCY LN F  
City,State,Zip: LAKE FOREST, CA 92630  
Facility ID: 83232  
Application Number: 364569  
Permit Number: F31276  
Status: A  
Representative Name: KHODER DOAIFI  
Representative Telephone: 949 4720393  
Permit Status: INACTIVE  
BCAT Number: 000603  
BCAT Description: DRY CLEANING, DRY-TO-DRY NV, W/ SIC, PERC  
CCAT Number: Not reported  
CCAT Description: Not reported  
UTM East: 438.39700317  
UTM North: 3724.8149414

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROFESSIONAL CLEANERS CORPORATION (Continued)**

**S106837610**

Name: POWER PROFESSIONAL CLEANERS CORPORATION  
Address: 20562 REGENCY LN F  
City,State,Zip: LAKE FOREST, CA 92630  
Facility ID: 83232  
Application Number: 422229  
Permit Number: F64863  
Status: A  
Representative Name: KHODER DOAIFI  
Representative Telephone: 949 4720393  
Permit Status: ACTIVE  
BCAT Number: 000233  
BCAT Description: DRY CLEANING EQUIP PETROLEUM SOLVENT  
CCAT Number: Not reported  
CCAT Description: Not reported  
UTM East: 438.39700317  
UTM North: 3724.8149414

Name: POWER PROFESSIONAL CLEANERS CORPORATION  
Address: 20562 REGENCY LN F  
City,State,Zip: LAKE FOREST, CA 92630  
Facility ID: 83232  
Application Number: 467633  
Permit Number: F89454  
Status: A  
Representative Name: KHODER DOAIFI  
Representative Telephone: 949 4720393  
Permit Status: INACTIVE  
BCAT Number: 000603  
BCAT Description: DRY CLEANING, DRY-TO-DRY NV, W/ SIC, PERC  
CCAT Number: Not reported  
CCAT Description: Not reported  
UTM East: 438.39700317  
UTM North: 3724.8149414

Name: POWER PROFESSIONAL CLEANERS CORPORATION  
Address: 20562 REGENCY LN F  
City,State,Zip: LAKE FOREST, CA 92630  
Facility ID: 83232  
Application Number: 535660  
Permit Number: G18369  
Status: A  
Representative Name: KHODER DOAIFI  
Representative Telephone: 949 4720393  
Permit Status: ACTIVE  
BCAT Number: 000606  
BCAT Description: Dry Cleaning K4 Solvent  
CCAT Number: Not reported  
CCAT Description: Not reported  
UTM East: 438.39700317  
UTM North: 3724.8149414

**EMI:**

Name: POWER PROFESSIONAL CLEANERS CORPORATION  
Address: 20562 REGENCY LN F  
City,State,Zip: LAKE FOREST, CA 92630  
Year: 2002  
County Code: 30

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROFESSIONAL CLEANERS CORPORATION (Continued)**

**S106837610**

Air Basin: SC  
Facility ID: 83232  
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: 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: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: POWER PROFESSIONAL CLEANERS CORPORATION  
Address: 20562 REGENCY LN F  
City,State,Zip: LAKE FOREST, CA 92630  
Year: 2003  
County Code: 30  
Air Basin: SC  
Facility ID: 83232  
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: 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: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: POWER PROFESSIONAL CLEANERS CORPORATION  
Address: 20562 REGENCY LN F  
City,State,Zip: LAKE FOREST, CA 92630  
Year: 2004  
County Code: 30  
Air Basin: SC  
Facility ID: 83232  
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: 0.0182  
Reactive Organic Gases Tons/Yr: 0.01  
Carbon Monoxide Emissions Tons/Yr: 0.117  
NOX - Oxides of Nitrogen Tons/Yr: 0.14  
SOX - Oxides of Sulphur Tons/Yr: 0.000838  
Particulate Matter Tons/Yr: 0.0106  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.01

Name: POWER PROFESSIONAL CLEANERS CORPORATION  
Address: 20562 REGENCY LN F



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROFESSIONAL CLEANERS CORPORATION (Continued)**

**S106837610**

City,State,Zip: LAKE FOREST, CA 92630  
Year: 2005  
County Code: 30  
Air Basin: SC  
Facility ID: 83232  
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: .0177  
Reactive Organic Gases Tons/Yr: .00747294  
Carbon Monoxide Emissions Tons/Yr: .27  
NOX - Oxides of Nitrogen Tons/Yr: .321  
SOX - Oxides of Sulphur Tons/Yr: .00192  
Particulate Matter Tons/Yr: .0244  
Part. Matter 10 Micrometers and Smlr Tons/Yr:.0244

Name: POWER PROFESSIONAL CLEANERS CORPORATION  
Address: 20562 REGENCY LN F  
City,State,Zip: LAKE FOREST, CA 92630  
Year: 2006  
County Code: 30  
Air Basin: SC  
Facility ID: 83232  
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: .7978021701106643982  
Reactive Organic Gases Tons/Yr: .4  
Carbon Monoxide Emissions Tons/Yr: .149  
NOX - Oxides of Nitrogen Tons/Yr: .177  
SOX - Oxides of Sulphur Tons/Yr: .001  
Particulate Matter Tons/Yr: .013  
Part. Matter 10 Micrometers and Smlr Tons/Yr:.013

Name: POWER PROFESSIONAL CLEANERS CORPORATION  
Address: 20562 REGENCY LN F  
City,State,Zip: LAKE FOREST, CA 92630  
Year: 2007  
County Code: 30  
Air Basin: SC  
Facility ID: 83232  
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: .7978021701106643982  
Reactive Organic Gases Tons/Yr: .4  
Carbon Monoxide Emissions Tons/Yr: .149  
NOX - Oxides of Nitrogen Tons/Yr: .177  
SOX - Oxides of Sulphur Tons/Yr: .001  
Particulate Matter Tons/Yr: .013  
Part. Matter 10 Micrometers and Smlr Tons/Yr:.013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROFESSIONAL CLEANERS CORPORATION (Continued)**

**S106837610**

CERS:

Name: POWER PROFESSIONAL CLEANERS CORPORATION  
Address: 20562 REGENCY LN F  
City,State,Zip: LAKE FOREST, CA 92630-8146  
Site ID: 487833  
CERS ID: 110037976241  
CERS Description: US EPA Air Emission Inventory System (EIS)

**D9**  
**SSW**  
**1/8-1/4**  
**0.129 mi.**  
**680 ft.**

**POWER CLEANERS**  
**20562 REGENCY LN STE F**  
**LAKE FOREST, CA 92630**

**CERS HAZ WASTE** **S113018245**  
**CERS** **N/A**

**Site 2 of 5 in cluster D**

**Relative:**  
**Lower**

CERS HAZ WASTE:

Name: POWER CLEANERS  
Address: 20562 REGENCY LN STE F  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 412084  
CERS ID: 10542895  
CERS Description: Hazardous Waste Generator

**Actual:**  
**701 ft.**

CERS:

Name: 7-ELEVEN #34527  
Address: 20562 REGENCY LN  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 1626  
CERS ID: 10463977  
CERS Description: Chemical Storage Facilities

Evaluation:

Eval General Type: Other/Unknown  
Eval Date: 06-16-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted to CERS on 4/14/15 were reviewed and not accepted since Fire Code Hazard Classes is not listed on form.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-26-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted revised documents submitted to CERS on 7/21/15.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 12-15-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Sukhwinder Behar granted consent to conduct inspection I inspected hazardous materials

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER CLEANERS (Continued)**

**S113018245**

storage area. Carbon Dioxide cylinder is in the locked electrical room behind the store. All required documents have been electronically submitted to CERS and approved by this Agency. Employees are trained (online) initially when newly hired and annually.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 01-17-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Annual certification documents submitted to CERS on 12/29/17 were reviewed and conditionally accepted with request to update inventory forms with new Federal Hazard Categories and add location of fire extinguisher(s) to site map in next submission.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 12-19-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: There has been no changes in types and/or volumes of the hazardous material stored on site since last inspection or previous reporting period. Carbon dioxide dewar is located in a locked storage room behind building and is filled from the outside. There is valve inside stockroom for closing and opening carbon dioxide flow. Employees have online "CO2 Safety" training.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-31-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted annual certification documents submitted to CERS on 3/1/17.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-19-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted Facility Information documents submitted to CERS on 3/24/17, which included update billing address. Submitted RUR to correct address.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-23-2016

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER CLEANERS (Continued)**

**S113018245**

Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted annual certification documents submitted to CERS on 2/22/16.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

**Affiliation:**

Affiliation Type Desc: Parent Corporation  
Entity Name: 7-ELEVEN CONVENIENCE STORES  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: 7-ELEVEN INC.  
Entity Title: Not reported  
Affiliation Address: LICENSE RENEWAL DEPT.:3200 HACKBERRY ROAD  
Affiliation City: IRVING  
Affiliation State: TX  
Affiliation Country: United States  
Affiliation Zip: 75063  
Affiliation Phone: (972) 828-7578

Affiliation Type Desc: CUPA District  
Entity Name: Orange County Env Health  
Entity Title: Not reported  
Affiliation Address: 1241 East Dyer Road Suite 120  
Affiliation City: Santa Ana  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92705-5611  
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Document Preparer  
Entity Name: Stantec Consulting Services Inc.  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: SSB & JK  
Entity Title: Not reported  
Affiliation Address: 20562 REGENCY LN  
Affiliation City: LAKE FOREST  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 92630

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER CLEANERS (Continued)**

**S113018245**

Affiliation Phone: (949) 768-5433

Affiliation Type Desc: Environmental Contact  
Entity Name: BRENT SMERCZYNSKI  
Entity Title: Not reported  
Affiliation Address: 3200 HACKBERRY ROAD  
Affiliation City: IRVING  
Affiliation State: TX  
Affiliation Country: Not reported  
Affiliation Zip: 75063  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 20562 REGENCY LN  
Affiliation City: LAKE FOREST  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: BRENT SMERCZYNSKI  
Entity Title: CORPORATE ASSET PROTECTION MANAGER  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: SSB & JK  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (949) 768-5433

Name: POWER CLEANERS  
Address: 20562 REGENCY LN STE F  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 412084  
CERS ID: 10542895  
CERS Description: Chemical Storage Facilities

Evaluation:  
Eval General Type: Other/Unknown  
Eval Date: 08-14-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: The documents submitted on 12/10/13 have been reviewed and declined with the following considerations: The G YesG boxes in sections G AG and G EG of the Business Activities form must be checked. The only

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER CLEANERS (Continued)**

**S113018245**

material reported is the K4 solvent. Please be advised that all chemicals (liquids), new material and waste that are in 55 gallon drums must be reported. Sections G aG through G fG of the Emergency Plan are not completed. Applicable sections must be completed. The site map does include north orientation, emergency shut off (water, electricity, natural gas), evacuation staging area, storm and sewer drains.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 01-23-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted to E-submit on 1/5/15 were reviewed and accepted.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-24-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Accepted annual certification documents submitted to E-submit on 1/28/16.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-09-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted annual certification documents submitted to CERS on 2/20/17 with comment to add Fire Code Hazard Classes in next submission.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-04-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct new hazardous materials chemical inventory and business emergency plan inspection. Crystal Cherbak granted consent to conduct inspection. I walked through the facility and inspected hazardous materials storage areas in drums and inside machines. There has been no changes in types and/or volumes of hazardous materials stored on site since previous reporting period. Facility stores the following hazardous materials on site: - 55 gallons K4 Solvent - 55 gallons of waste K4 Solvent - 55 gallons of new Aliphatic Hydrocarbon - 55 gallons of waste Aliphatic Hydrocarbon Location of hazardous waste drums has changed. Updated site map will be submitted electronically. Employees are trained annually and records are available on site. Emergency contact information is posted throughout

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER CLEANERS (Continued)**

**S113018245**

the facility.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-13-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: No violations were observed this date.  
Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-25-2013  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct new hazardous materials chemical inventory and business emergency plan inspection. I walked through the facility and inspected hazardous materials storage area. Facility has hazardous materials that meet required disclosure quantities. Facility has requested username and password from this Agency and will be electronically submitting the following documents within 60 days of this inspection: - Business Activities form - Owner/Operator Identification form - Hazardous Material Chemical Inventory forms - Facility Site Map - Business Emergency Plan  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-25-2013  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct routine hazardous waste inspection. Khoder Doaifi granted consent to conduct inspection. The business has not been using PERC for sixteen months. The facility uses Green Earth and petroleum distillate solutions for dry cleaning. I walked through the facility and inspected waste storage area. All waste drums are stored closed and labeled. The "accumulation start date" on the labels is the date when the last waste pick up occurred. Please be advised that the "accumulation start date" should be written on the labels when 27 gallons of waste is stored on site, then have all waste hauled off site by a registered transporter for proper disposal within 180 days of that date. Manifests were reviewed. The hauler, American Industrial Services, has been listing the "Green Earth" waste as PERC on some of the consolidated manifests. Please be advised must submit a manifest correction letter (MCL) to DTSC, Generator Information Services Section. P. O. Box [Truncated]  
Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 12-02-2013  
Violations Found: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER CLEANERS (Continued)**

**S113018245**

Eval Type: Other, not routine, done by local agency  
Eval Notes: I received call from Monica at AIS, facility's hauler. She wanted to know where to send manifest correction letter and what information needs to be included. I emailed her information and address where document must be submitted.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-02-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct new hazardous materials chemical inventory and business emergency plan inspection. Khoder Doaifi granted consent to conduct inspection. I walked through the facility and inspected hazardous materials storage area. There has been no changes in types and/or volumes of hazardous materials stored on site since previous reporting period. Employees are trained annually and records are available on site. Emergency contact information is posted throughout the facility. I notified business that annual HMBP certification documents must be submitted via CERS. I assisted facility contact in creating account in CERS and explained how documents are submitted for annual certification.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-02-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct routine hazardous waste inspection. I walked through the facility and inspected waste storage area in the back of the shop. Waste petroleum distillate solution (1), filters (1) and spent green earth solution (1) drums are stored closed and labeled. Manifests were reviewed. Emergency contact cards are posted throughout the shop.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 12-27-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted annual (2018) certification documents submitted to CERS on 12/26/17.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 09-22-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted on 8/18/14 have been reviewed and declined with



Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

POWER CLEANERS (Continued)

S113018245

the following considerations: Pyratex and Stree Tan are not reportable materials since the total volume of each chemical stored on site is not equal to or greater than 55 gallons. It not clear whether the reported K4 Solvent and Aliphatic hydrocarbon are waste or new material. If the reported material are waste, then the G pureG boxes must be changed to G wasteG and correct G state waste codeG , not facility EPA ID# as listed currently, be added to the form. In addition, the CAS#s should be moved from beneath the G Common NameG to the G Hazardous ComponentG section. If the material is new then the G pureG must be checked, the G annual waste amountG and G state waste codeG must be removed. The site map does not show the storm drain, show new material or waste drums separately or include a legend/key describing the symbols.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 09-22-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Went to site and assisted in owner in correcting hazardous materials inventory form and site map before documents are uploaded to E-submit.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-27-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted on 10/14/14 have been reviewed and declined with the following considerations: Solvent K (new material): - G Storage PressureG and G Storage TemperatureG boxes must be changed from G Below AmbientG to G AmbientG . Solvent K (Waste) form must be revised as follows: -CAS# listed below G Common NameG must be removed. - G Maximum Daily AmountG must be changed from G 0.8G to 55 gallons since that is the total volume of waste stored on site is 55 gallons. - G Storage PressureG and G Storage TemperatureG boxes must be changed from G Below AmbientG to G AmbientG . Synthetic Aliphatic Hydrocarbons, Hydrotreated (new material) form must be revised as follows: - CAS# 64742-48-9 must be listed under G Common NameG . - G Maximum Daily AmountG must be changed from G 0.8G to total volume stored on site (55 gallon drum and the volume stored in machine). - G Storage PressureG and G Storage TemperatureG boxes must be changed from G Below AmbientG to G AmbientG . Synthetic [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-12-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct routine hazardous waste inspection. Khoder Doaifi granted consent to conduct inspection. I walked through the facility and inspected waste storage area. Waste

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER CLEANERS (Continued)**

**S113018245**

petroleum distillate solution (1), filters (1) and spent green earth solution (1) drums are stored closed and labeled. Manifests were reviewed. Emergency contact information is posted in the shop.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 12-30-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted on 11/25/14 have been reviewed and declined since the following revisions requested previously, for site map dated 10/13/14 were not addressed: - Orientation of the dry cleaning machines must be corrected since they were observed to be side by side, during the onsite inspection conducted on 9/22/14. - Fire extinguishers throughout the facility are incorrectly reported as Fire Hydrants in the legend.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

**Affiliation:**

Affiliation Type Desc: CUPA District  
Entity Name: Orange County Env Health  
Entity Title: Not reported  
Affiliation Address: 1241 East Dyer Road Suite 120  
Affiliation City: Santa Ana  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92705-5611  
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Environmental Contact  
Entity Name: Khoder (Peter) Doaifi  
Entity Title: Not reported  
Affiliation Address: 20562 Regency Ln., Ste. F  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 20562 REGENCY LANE #F  
Affiliation City: LAKE FOREST  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation  
Entity Name: POWER CLEANERS  
Entity Title: Not reported  
Affiliation Address: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**POWER CLEANERS (Continued)**

**S113018245**

Affiliation City: Not reported  
 Affiliation State: Not reported  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer  
 Entity Name: Khoder Doaifi  
 Entity Title: Not reported  
 Affiliation Address: Not reported  
 Affiliation City: Not reported  
 Affiliation State: Not reported  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
 Entity Name: Khoder Doaifi  
 Entity Title: CEO  
 Affiliation Address: Not reported  
 Affiliation City: Not reported  
 Affiliation State: Not reported  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
 Entity Name: POWER PROFESSIONAL CLEANERS S CORP  
 Entity Title: Not reported  
 Affiliation Address: 20562 REGENCY LN STE F  
 Affiliation City: LAKE FOREST  
 Affiliation State: CA  
 Affiliation Country: United States  
 Affiliation Zip: 92630  
 Affiliation Phone: (949) 472-0393

Affiliation Type Desc: Operator  
 Entity Name: Khoder (Peter) Doaifi  
 Entity Title: Not reported  
 Affiliation Address: Not reported  
 Affiliation City: Not reported  
 Affiliation State: Not reported  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: (949) 472-0393

**D10**  
**SSW**  
**1/8-1/4**  
**0.129 mi.**  
**680 ft.**

**POWER PROF CLEANERS CORP DBA POWER CLEAN**  
**20562 REGENCY LN**  
**LAKE FOREST, CA 92630**  
**Site 3 of 5 in cluster D**

**Orange Co. Industrial Site**  
**DRYCLEANERS**  
**HAZNET**  
**HWTS**

**S103982353**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**701 ft.**

Orange Co. Industrial Site:  
 Name: BAKER RANCH PLAZA  
 Address: 20562 REGENCY LN  
 City,State,Zip: LAKE FOREST, CA 92630  
 Case ID: 97IC004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Record ID: RO0000610  
Current Status: CLOSED 5/29/1997  
Closure Type: Closure certification issued  
Released Chemical: PERCHLOROETHYLENE, TRICHLOROETHANE

**DRYCLEANERS:**

Name: POWER PROF CLEANERS CORP DBA POWER CLEAN  
Address: 20562 REGENCY LN  
City,State,Zip: LAKE FOREST, CA 926308146  
EPA Id: CAD983617648  
NAICS Code: 81232  
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)  
SIC Code: 7211  
SIC Description: Power Laundries, Family and Commercial  
Create Date: 02/04/1992  
Facility Active: Yes  
Inactive Date: Not reported  
Facility Addr2: STE F  
Owner Name: KHODER DOAIFI  
Owner Address: 23749 RIDGEWAY  
Owner Address 2: Not reported  
Owner Telephone: 9494720393  
Contact Name: KHODER DOAIFI  
Contact Address: 20562 REGENCY LN  
Contact Address 2: STE F  
Contact Telephone: 9494720393  
Mailing Name: Not reported  
Mailing Address 1: 20562 REGENCY LN  
Mailing Address 2: STE F  
Mailing City: LAKE FOREST  
Mailing State: CA  
Mailing Zip: 926308146  
Owner Fax: 9494726318  
Region Code: 4

**HAZNET:**

Name: POWER PROF CLEANERS CORP DBA POWER CLEAN  
Address: 20562 REGENCY LN  
Address 2: Not reported  
City,State,Zip: LAKE FOREST, CA 926308146  
Contact: KHODER DOAIFI  
Telephone: 9494720393  
Mailing Name: Not reported  
Mailing Address: 20562 REGENCY LN  
  
Year: 2008  
Gepaid: CAD983617648  
TSD EPA ID: NVR000076158  
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)  
Disposal Method: H020 - Solvents Recovery  
Tons: 0.6  
  
Year: 2008  
Gepaid: CAD983617648  
TSD EPA ID: NVR000076158  
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Disposal Method:	percent
Tons:	H020 - Solvents Recovery Not reported
Year:	2008
Gepaid:	CAD983617648
TSD EPA ID:	CAD008302903
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	-
Tons:	Not reported
Year:	2008
Gepaid:	CAD983617648
TSD EPA ID:	CAD008302903
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3
Year:	2008
Gepaid:	CAD983617648
TSD EPA ID:	NVR000076158
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H020 - Solvents Recovery
Tons:	0.6255
Year:	2008
Gepaid:	CAD983617648
TSD EPA ID:	CAD008302903
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	-
Tons:	Not reported
Year:	2008
Gepaid:	CAD983617648
TSD EPA ID:	CAD008302903
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	-
Tons:	Not reported
Year:	2008
Gepaid:	CAD983617648
TSD EPA ID:	CAD008302903
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Year:	2008
Gepaid:	CAD983617648
TSD EPA ID:	CAD008302903
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Tons: 0.1251  
Year: 2008  
Gepaid: CAD983617648  
TSD EPA ID: CAD008302903  
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent  
Disposal Method: -  
Tons: Not reported

[Click this hyperlink](#) while viewing on your computer to access 58 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year: 2006  
Gen EPA ID: CAD983617648

Shipment Date: 20061129  
Creation Date: 7/11/2007 18:30:05  
Receipt Date: 20061201  
Manifest ID: 000232693GBF  
Trans EPA ID: CAR000166827  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAR000161836  
Trans 2 Name: TECHNICHEM INC  
TSDF EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: H020 - Solvents Recovery  
Quantity Tons: 0.1  
Waste Quantity: 200  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20061129  
Creation Date: 7/11/2007 18:30:05  
Receipt Date: 20061201  
Manifest ID: 000232693GBF  
Trans EPA ID: CAR000166827  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAR000161836  
Trans 2 Name: TECHNICHEM INC  
TSDF EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

RCRA Code:	F002
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.2502
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061129
Creation Date:	7/11/2007 18:30:05
Receipt Date:	20061201
Manifest ID:	000232693GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDf EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061129
Creation Date:	7/11/2007 18:30:05
Receipt Date:	20061201
Manifest ID:	000232693GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDf EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
RCRA Code:	Not reported
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Code 5:	Not reported
Shipment Date:	20061020
Creation Date:	7/11/2007 18:30:05
Receipt Date:	20061026
Manifest ID:	000238110GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDf EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061020
Creation Date:	7/11/2007 18:30:05
Receipt Date:	20061026
Manifest ID:	000238110GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDf EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061020
Creation Date:	7/11/2007 18:30:05
Receipt Date:	20061026
Manifest ID:	000238110GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061020
Creation Date:	7/11/2007 18:30:05
Receipt Date:	20061026
Manifest ID:	000238110GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	Not reported
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060920
Creation Date:	7/13/2007 18:30:17
Receipt Date:	20060925
Manifest ID:	000238399GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H020 - Solvents Recovery

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060920
Creation Date:	7/13/2007 18:30:17
Receipt Date:	20060925
Manifest ID:	000238399GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	Not reported
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	1998
Gen EPA ID:	CAD983617648
Shipment Date:	19981218
Creation Date:	4/1/1999 0:00:00
Receipt Date:	19981221
Manifest ID:	98890083
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported

Map ID  
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Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19981218  
Creation Date: 4/1/1999 0:00:00  
Receipt Date: 19981221  
Manifest ID: 98890083  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2107  
Waste Quantity: 0.25  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19981106  
Creation Date: 3/15/1999 0:00:00  
Receipt Date: 19981109  
Manifest ID: 98462614  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0  
Waste Quantity: 0  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19981106  
Creation Date: 3/15/1999 0:00:00

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Receipt Date: 19981109  
Manifest ID: 98462614  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.1125  
Waste Quantity: 27  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19980824  
Creation Date: 12/7/1998 0:00:00  
Receipt Date: 19980825  
Manifest ID: 98077314  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2293  
Waste Quantity: 55  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19980824  
Creation Date: 12/7/1998 0:00:00  
Receipt Date: 19980825  
Manifest ID: 98077314  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2107  
Waste Quantity: 0.25  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19980701  
Creation Date: 11/5/1998 0:00:00  
Receipt Date: 19980702  
Manifest ID: 98126148  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2085  
Waste Quantity: 50  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19980701  
Creation Date: 11/5/1998 0:00:00  
Receipt Date: 19980702  
Manifest ID: 98126148  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: R01 - Recycler

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Quantity Tons: 0  
Waste Quantity: 0  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19980529  
Creation Date: 9/15/1998 0:00:00  
Receipt Date: 19980601  
Manifest ID: 98024548  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981397417  
TSDf Alt Name: Not reported  
Waste Code Description: - Not reported  
RCRA Code: Not reported  
Meth Code: R01 - Recycler  
Quantity Tons: 0  
Waste Quantity: 0  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19980529  
Creation Date: 9/15/1998 0:00:00  
Receipt Date: 19980601  
Manifest ID: 98024548  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981397417  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2293  
Waste Quantity: 55  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Info:

Year:	2007
Gen EPA ID:	CAD983617648
Shipment Date:	20071112
Creation Date:	5/15/2008 18:30:08
Receipt Date:	20071126
Manifest ID:	000272187GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDf EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071112
Creation Date:	5/15/2008 18:30:08
Receipt Date:	20071126
Manifest ID:	000272187GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDf EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071112
Creation Date:	5/15/2008 18:30:08
Receipt Date:	20071126

Map ID  
Direction  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Manifest ID: 000272187GBF  
Trans EPA ID: CAR000166827  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAR000161836  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 134 - Aqueous solution with <10% total organic residues  
RCRA Code: D039  
Meth Code: H020 - Solvents Recovery  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20071112  
Creation Date: 5/15/2008 18:30:08  
Receipt Date: 20071126  
Manifest ID: 000272187GBF  
Trans EPA ID: CAR000166827  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAR000161836  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)  
RCRA Code: Not reported  
Meth Code: H020 - Solvents Recovery  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20070917  
Creation Date: 3/4/2008 18:31:02  
Receipt Date: 20070920  
Manifest ID: 000266889GBF  
Trans EPA ID: CAR000166827  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAR000161836  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported



Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Waste Code Description: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)  
RCRA Code: Not reported  
Meth Code: H020 - Solvents Recovery  
Quantity Tons: 0.15  
Waste Quantity: 300  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20070917  
Creation Date: 3/4/2008 18:31:02  
Receipt Date: 20070920  
Manifest ID: 000266889GBF  
Trans EPA ID: CAR000166827  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAR000161836  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 134 - Aqueous solution with <10% total organic residues  
RCRA Code: D039  
Meth Code: H020 - Solvents Recovery  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20070917  
Creation Date: 3/4/2008 18:31:02  
Receipt Date: 20070920  
Manifest ID: 000266889GBF  
Trans EPA ID: CAR000166827  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAR000161836  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)  
RCRA Code: F002  
Meth Code: H020 - Solvents Recovery  
Quantity Tons: 0.1251  
Waste Quantity: 30  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported

Map ID  
Direction  
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070917
Creation Date:	3/4/2008 18:31:02
Receipt Date:	20070920
Manifest ID:	000266689GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDf EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070726
Creation Date:	3/4/2008 18:30:28
Receipt Date:	20070730
Manifest ID:	000272899GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDf EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070726
Creation Date:	3/4/2008 18:30:28
Receipt Date:	20070730
Manifest ID:	000272899GBF

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Trans EPA ID: CAR000166827  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAR000161836  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
  
RCRA Code: F002  
Meth Code: H020 - Solvents Recovery  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

**Additional Info:**

Year: 2002  
Gen EPA ID: CAD983617648

Shipment Date: 20021029  
Creation Date: 2/10/2003 18:31:16  
Receipt Date: 20021101  
Manifest ID: 22221097  
Trans EPA ID: CAR000036921  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: - Not reported  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20021029  
Creation Date: 2/10/2003 18:31:16  
Receipt Date: 20021101  
Manifest ID: 22221097  
Trans EPA ID: CAR000036921  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2085  
Waste Quantity: 50  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20020918  
Creation Date: 1/28/2003 18:32:43  
Receipt Date: 20020925  
Manifest ID: 22220836  
Trans EPA ID: CAR000036921  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.22935  
Waste Quantity: 55  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20020918  
Creation Date: 1/28/2003 18:32:43  
Receipt Date: 20020925  
Manifest ID: 22220836  
Trans EPA ID: CAR000036921  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

RCRA Code: F002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.06  
Waste Quantity: 120  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20020816  
Creation Date: 3/14/2003 18:31:30  
Receipt Date: 20020819  
Manifest ID: 21925034  
Trans EPA ID: CAR000036921  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: - Not reported  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20020816  
Creation Date: 3/14/2003 18:31:30  
Receipt Date: 20020819  
Manifest ID: 21925034  
Trans EPA ID: CAR000036921  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2085  
Waste Quantity: 50  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20020816  
Creation Date: 3/14/2003 18:31:30  
Receipt Date: 20020819  
Manifest ID: 21925034  
Trans EPA ID: CAR000036921  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 343 - Unspecified organic liquid mixture  
RCRA Code: D001  
Meth Code: - Not reported  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20020710  
Creation Date: 9/18/2002 18:31:39  
Receipt Date: 20020719  
Manifest ID: 21924333  
Trans EPA ID: CAR000036921  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.22935  
Waste Quantity: 55  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20020429  
Creation Date: 7/16/2002 18:30:48  
Receipt Date: 20020503  
Manifest ID: 21831067

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Trans EPA ID:	CAR000095927
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020429
Creation Date:	7/16/2002 18:30:48
Receipt Date:	20020503
Manifest ID:	21831067
Trans EPA ID:	CAR000095927
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2000
Gen EPA ID:	CAD983617648
Shipment Date:	20001130
Creation Date:	2/1/2001 0:00:00
Receipt Date:	20001201
Manifest ID:	20565232
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

TSDF EPA ID: CAT000613976  
Trans Name: Not reported  
TSDF Alt EPA ID: CAT000613976  
TSDF Alt Name: Not reported  
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l  
RCRA Code: F002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.416  
Waste Quantity: 832  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20001016  
Creation Date: 12/13/2000 0:00:00  
Receipt Date: 20001017  
Manifest ID: 20530364  
Trans EPA ID: SCR000075150  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAT000613976  
Trans Name: Not reported  
TSDF Alt EPA ID: CAT000613976  
TSDF Alt Name: Not reported  
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l  
RCRA Code: F002  
Meth Code: - Not reported  
Quantity Tons: 0.416  
Waste Quantity: 832  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20001016  
Creation Date: 12/13/2000 0:00:00  
Receipt Date: 20001017  
Manifest ID: 20530364  
Trans EPA ID: SCR000075150  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAT000613976  
Trans Name: Not reported  
TSDF Alt EPA ID: CAT000613976  
TSDF Alt Name: Not reported  
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l  
RCRA Code: F002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.104  
Waste Quantity: 208



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000908
Creation Date:	11/14/2000 0:00:00
Receipt Date:	20000911
Manifest ID:	99665297
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	0.416
Waste Quantity:	832
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000724
Creation Date:	9/25/2000 0:00:00
Receipt Date:	20000725
Manifest ID:	99798296
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000724
Creation Date:	9/25/2000 0:00:00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Receipt Date: 20000725  
Manifest ID: 99798296  
Trans EPA ID: SCR000075150  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAT000613976  
Trans Name: Not reported  
TSDf Alt EPA ID: CAT000613976  
TSDf Alt Name: Not reported  
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l  
RCRA Code: F002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.375  
Waste Quantity: 750  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20000522  
Creation Date: 7/12/2000 0:00:00  
Receipt Date: 20000523  
Manifest ID: 99811281  
Trans EPA ID: ILD984908202  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAT000613976  
Trans Name: Not reported  
TSDf Alt EPA ID: CAT000613976  
TSDf Alt Name: Not reported  
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l  
RCRA Code: F002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.416  
Waste Quantity: 832  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20000330  
Creation Date: 5/23/2000 0:00:00  
Receipt Date: 20000331  
Manifest ID: 99841315  
Trans EPA ID: ILD984908202  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAT000613976  
Trans Name: Not reported  
TSDf Alt EPA ID: CAT000613976

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

TSDF Alt Name: Not reported  
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l  
RCRA Code: F002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0  
Waste Quantity: 416  
Quantity Unit: \*  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20000330  
Creation Date: 5/23/2000 0:00:00  
Receipt Date: 20000331  
Manifest ID: 99841315  
Trans EPA ID: ILD984908202  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAT000613976  
Trans Name: Not reported  
TSDF Alt EPA ID: CAT000613976  
TSDF Alt Name: Not reported  
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l  
RCRA Code: F002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.03  
Waste Quantity: 60  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20000330  
Creation Date: 5/23/2000 0:00:00  
Receipt Date: 20000331  
Manifest ID: 99841315  
Trans EPA ID: ILD984908202  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAT000613976  
Trans Name: Not reported  
TSDF Alt EPA ID: CAT000613976  
TSDF Alt Name: Not reported  
Waste Code Description: - Not reported  
RCRA Code: Not reported  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0  
Waste Quantity: 0  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 1996  
Gen EPA ID: CAD983617648

Shipment Date: 19961031  
Creation Date: 5/30/1997 0:00:00  
Receipt Date: 19961101  
Manifest ID: 96567533  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0  
Waste Quantity: 0  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19961031  
Creation Date: 5/30/1997 0:00:00  
Receipt Date: 19961101  
Manifest ID: 96567533  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.1751  
Waste Quantity: 42  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Shipment Date: 19961002  
Creation Date: 5/21/1997 0:00:00  
Receipt Date: 19961003  
Manifest ID: 96535619  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.1459  
Waste Quantity: 35  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19961002  
Creation Date: 5/21/1997 0:00:00  
Receipt Date: 19961003  
Manifest ID: 96535619  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2107  
Waste Quantity: 0.25  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19960823  
Creation Date: 5/21/1997 0:00:00  
Receipt Date: 19960826  
Manifest ID: 96580564  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0  
Waste Quantity: 0  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19960823  
Creation Date: 5/21/1997 0:00:00  
Receipt Date: 19960826  
Manifest ID: 96580564  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2293  
Waste Quantity: 55  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19960621  
Creation Date: 5/20/1997 0:00:00  
Receipt Date: 19960624  
Manifest ID: 96114048  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2107
Waste Quantity:	0.25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960621
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960624
Manifest ID:	96114048
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD981397417
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960415
Creation Date:	10/4/1996 0:00:00
Receipt Date:	19960416
Manifest ID:	96275577
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD981397417
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD981397417
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960415
Creation Date:	10/4/1996 0:00:00
Receipt Date:	19960416
Manifest ID:	96275577
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1668
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	1999
Gen EPA ID:	CAD983617648
Shipment Date:	19991223
Creation Date:	2/28/2000 0:00:00
Receipt Date:	19991228
Manifest ID:	99339565
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.052
Waste Quantity:	104
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Shipment Date: 19991223  
Creation Date: 2/28/2000 0:00:00  
Receipt Date: 19991228  
Manifest ID: 99339565  
Trans EPA ID: ILD984908202  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAT000613976  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l  
RCRA Code: F002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.09  
Waste Quantity: 180  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19991208  
Creation Date: 2/15/2000 0:00:00  
Receipt Date: 19991209  
Manifest ID: 98657635  
Trans EPA ID: ILD984908202  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAT000613976  
Trans Name: Not reported  
TSDf Alt EPA ID: CAT000613976  
TSDf Alt Name: Not reported  
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l  
RCRA Code: F002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.216  
Waste Quantity: 432  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19991208  
Creation Date: 2/15/2000 0:00:00  
Receipt Date: 19991209  
Manifest ID: 98657635  
Trans EPA ID: ILD984908202  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAT000613976

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Trans Name: Not reported  
TSDF Alt EPA ID: CAT000613976  
TSDF Alt Name: Not reported  
Waste Code Description: - Not reported  
RCRA Code: Not reported  
Meth Code: - Not reported  
Quantity Tons: 0  
Waste Quantity: 0  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19991021  
Creation Date: 1/4/2000 0:00:00  
Receipt Date: 19991022  
Manifest ID: 99054533  
Trans EPA ID: ILD984908202  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAT000613976  
Trans Name: Not reported  
TSDF Alt EPA ID: CAT000613976  
TSDF Alt Name: Not reported  
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l  
RCRA Code: F002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.416  
Waste Quantity: 832  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19991021  
Creation Date: 1/4/2000 0:00:00  
Receipt Date: 19991022  
Manifest ID: 99054533  
Trans EPA ID: ILD984908202  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAT000613976  
Trans Name: Not reported  
TSDF Alt EPA ID: CAT000613976  
TSDF Alt Name: Not reported  
Waste Code Description: - Not reported  
RCRA Code: Not reported  
Meth Code: - Not reported  
Quantity Tons: 0  
Waste Quantity: 0  
Quantity Unit: P

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990826
Creation Date:	11/16/1999 0:00:00
Receipt Date:	19990827
Manifest ID:	99265590
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT000613976
Trans Name:	Not reported
TSDf Alt EPA ID:	CAT000613976
TSDf Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.416
Waste Quantity:	832
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990709
Creation Date:	12/16/1999 0:00:00
Receipt Date:	19990712
Manifest ID:	99300420
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD981397417
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD981397417
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2107
Waste Quantity:	0.25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990709
Creation Date:	12/16/1999 0:00:00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Receipt Date: 19990712  
Manifest ID: 99300420  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981397417  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2293  
Waste Quantity: 55  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19990520  
Creation Date: 11/18/1999 0:00:00  
Receipt Date: 19990521  
Manifest ID: 99110831  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981397417  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0  
Waste Quantity: 0  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:  
Year: 2001  
Gen EPA ID: CAD983617648

Shipment Date: 20011128  
Creation Date: 2/13/2002 0:00:00  
Receipt Date: 20011205  
Manifest ID: 21716102  
Trans EPA ID: CAR000036921

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011128
Creation Date:	2/13/2002 0:00:00
Receipt Date:	20011205
Manifest ID:	21716102
Trans EPA ID:	CAR000036921
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010926
Creation Date:	12/17/2001 0:00:00
Receipt Date:	20010928
Manifest ID:	21426501
Trans EPA ID:	CAR000036921
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: - Not reported  
Quantity Tons: 0  
Waste Quantity: 0  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010926  
Creation Date: 12/17/2001 0:00:00  
Receipt Date: 20010928  
Manifest ID: 21426501  
Trans EPA ID: CAR000036921  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.2085  
Waste Quantity: 50  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010724  
Creation Date: 10/23/2001 0:00:00  
Receipt Date: 20010810  
Manifest ID: 20966818  
Trans EPA ID: CAR000075424  
Trans Name: Not reported  
Trans 2 EPA ID: CAR000002774  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980884183  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: D99 - Disposal, Other  
Quantity Tons: 0.05  
Waste Quantity: 100  
Quantity Unit: P

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010724
Creation Date:	10/23/2001 0:00:00
Receipt Date:	20010810
Manifest ID:	20966818
Trans EPA ID:	CAR000075424
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000002774
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980884183
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010614
Creation Date:	8/24/2001 0:00:00
Receipt Date:	20010625
Manifest ID:	97448333
Trans EPA ID:	CAR000075424
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000002774
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980884183
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010504
Creation Date:	7/10/2001 0:00:00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Receipt Date:	20010522
Manifest ID:	97448352
Trans EPA ID:	CAR000075424
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000002774
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980884183
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010322
Creation Date:	6/20/2001 0:00:00
Receipt Date:	20010423
Manifest ID:	97448300
Trans EPA ID:	CAR000075424
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000002774
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980884183
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010221
Creation Date:	4/30/2001 0:00:00
Receipt Date:	20010302
Manifest ID:	20717062
Trans EPA ID:	CAR000075424
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000085639
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

TSDF Alt EPA ID: CAD008302903  
TSDF Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2502  
Waste Quantity: 60  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 1997  
Gen EPA ID: CAD983617648  
Shipment Date: 19971231  
Creation Date: 4/16/1998 0:00:00  
Receipt Date: 19980102  
Manifest ID: 97316579  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD981397417  
Trans Name: Not reported  
TSDF Alt EPA ID: CAD981397417  
TSDF Alt Name: Not reported  
Waste Code Description: - Not reported  
RCRA Code: Not reported  
Meth Code: R01 - Recycler  
Quantity Tons: 0  
Waste Quantity: 0  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19971231  
Creation Date: 4/16/1998 0:00:00  
Receipt Date: 19980102  
Manifest ID: 97316579  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD981397417  
Trans Name: Not reported  
TSDF Alt EPA ID: CAD981397417  
TSDF Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1876
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971210
Creation Date:	3/31/1998 0:00:00
Receipt Date:	19971211
Manifest ID:	97285364
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD981397417
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD981397417
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971210
Creation Date:	3/31/1998 0:00:00
Receipt Date:	19971211
Manifest ID:	97285364
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD981397417
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD981397417
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2107
Waste Quantity:	0.25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19971112  
Creation Date: 7/23/1998 0:00:00  
Receipt Date: 19971113  
Manifest ID: 96801416  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981397417  
TSDf Alt Name: Not reported  
Waste Code Description: - Not reported  
RCRA Code: Not reported  
Meth Code: R01 - Recycler  
Quantity Tons: 0  
Waste Quantity: 0  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19971112  
Creation Date: 7/23/1998 0:00:00  
Receipt Date: 19971113  
Manifest ID: 96801416  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981397417  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.1793  
Waste Quantity: 43  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19971003  
Creation Date: 7/23/1998 0:00:00  
Receipt Date: 19971006  
Manifest ID: 96801365

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981397417  
TSDf Alt Name: Not reported  
Waste Code Description: - Not reported  
RCRA Code: Not reported  
Meth Code: R01 - Recycler  
Quantity Tons: 0  
Waste Quantity: 0  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19971003  
Creation Date: 7/23/1998 0:00:00  
Receipt Date: 19971006  
Manifest ID: 96801365  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981397417  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.1668  
Waste Quantity: 40  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19970818  
Creation Date: 7/23/1998 0:00:00  
Receipt Date: 19970819  
Manifest ID: 96743178  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981397417  
TSDf Alt Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2085  
Waste Quantity: 50  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19970818  
Creation Date: 7/23/1998 0:00:00  
Receipt Date: 19970819  
Manifest ID: 96743178  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981397417  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2107  
Waste Quantity: 0.25  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:  
Year: 2005  
Gen EPA ID: CAD983617648

Shipment Date: 20051205  
Creation Date: 6/22/2006 18:32:03  
Receipt Date: 20051210  
Manifest ID: 24800121  
Trans EPA ID: CAR000166827  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAD981375983  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)  
RCRA Code: Not reported  
Meth Code: R01 - Recycler

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Quantity Tons: 0.25  
Waste Quantity: 500  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20051205  
Creation Date: 6/22/2006 18:32:03  
Receipt Date: 20051210  
Manifest ID: 24800121  
Trans EPA ID: CAR000166827  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAD981375983  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: - Not reported  
RCRA Code: Not reported  
Meth Code: R01 - Recycler  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20051205  
Creation Date: 6/22/2006 18:32:03  
Receipt Date: 20051210  
Manifest ID: 24800121  
Trans EPA ID: CAR000166827  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAD981375983  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2502  
Waste Quantity: 60  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Shipment Date:	20051205
Creation Date:	6/22/2006 18:32:03
Receipt Date:	20051210
Manifest ID:	24800121
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDf EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051004
Creation Date:	6/22/2006 18:31:22
Receipt Date:	20051010
Manifest ID:	24549912
Trans EPA ID:	CAR000036921
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDf EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	R01 - Recycler
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051004
Creation Date:	6/22/2006 18:31:22
Receipt Date:	20051010
Manifest ID:	24549912
Trans EPA ID:	CAR000036921
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDf EPA ID:	NVR000076158

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)  
RCRA Code: Not reported  
Meth Code: R01 - Recycler  
Quantity Tons: 0.3  
Waste Quantity: 600  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20051004  
Creation Date: 6/22/2006 18:31:22  
Receipt Date: 20051010  
Manifest ID: 24549912  
Trans EPA ID: CAR000036921  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAD981375983  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.1251  
Waste Quantity: 30  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20051004  
Creation Date: 6/22/2006 18:31:22  
Receipt Date: 20051010  
Manifest ID: 24549912  
Trans EPA ID: CAR000036921  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAD981375983  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.1



Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
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**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Waste Quantity: 200  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20050811  
Creation Date: 10/28/2005 18:30:54  
Receipt Date: 20050818  
Manifest ID: 24550315  
Trans EPA ID: CAR000036921  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAD981375983  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: - Not reported  
RCRA Code: Not reported  
Meth Code: R01 - Recycler  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20050811  
Creation Date: 10/28/2005 18:30:54  
Receipt Date: 20050818  
Manifest ID: 24550315  
Trans EPA ID: CAR000036921  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAD981375983  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: - Not reported  
RCRA Code: Not reported  
Meth Code: R01 - Recycler  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Info:

Year: 2004  
Gen EPA ID: CAD983617648

Shipment Date: 20041119  
Creation Date: 1/20/2005 18:31:32  
Receipt Date: 20041122  
Manifest ID: 24277978  
Trans EPA ID: CAR000063921  
Trans Name: CONSOLIDATED WESTERN  
Trans 2 EPA ID: CAD981375983  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

RCRA Code: F002  
Meth Code: - Not reported  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20041119  
Creation Date: 1/20/2005 18:31:32  
Receipt Date: 20041122  
Manifest ID: 24277978  
Trans EPA ID: CAR000063921  
Trans Name: CONSOLIDATED WESTERN  
Trans 2 EPA ID: CAD981375983  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 134 - Aqueous solution with <10% total organic residues

RCRA Code: D039  
Meth Code: - Not reported  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20041119  
Creation Date: 1/20/2005 18:31:32  
Receipt Date: 20041122  
Manifest ID: 24277978

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Trans EPA ID:	CAR000063921
Trans Name:	CONSOLIDATED WESTERN
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDf EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	NA
Meth Code:	- Not reported
Quantity Tons:	0.275
Waste Quantity:	550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041119
Creation Date:	1/20/2005 18:31:32
Receipt Date:	20041122
Manifest ID:	24277978
Trans EPA ID:	CAR000063921
Trans Name:	CONSOLIDATED WESTERN
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDf EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040927
Creation Date:	12/21/2004 18:30:50
Receipt Date:	20041005
Manifest ID:	24277638
Trans EPA ID:	CAR000063921
Trans Name:	CONSOLIDATED WESTERN
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDf EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported

Map ID  
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Distance  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)  
RCRA Code: F002  
Meth Code: - Not reported  
Quantity Tons: 0.2085  
Waste Quantity: 50  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20040927  
Creation Date: 12/21/2004 18:30:50  
Receipt Date: 20041005  
Manifest ID: 24277638  
Trans EPA ID: CAR000063921  
Trans Name: CONSOLIDATED WESTERN  
Trans 2 EPA ID: CAD981375983  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

RCRA Code: F002  
Meth Code: - Not reported  
Quantity Tons: 0.075  
Waste Quantity: 150  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20040927  
Creation Date: 12/21/2004 18:30:50  
Receipt Date: 20041005  
Manifest ID: 24277638  
Trans EPA ID: CAR000063921  
Trans Name: CONSOLIDATED WESTERN  
Trans 2 EPA ID: CAD981375983  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: - Not reported  
RCRA Code: Not reported  
Meth Code: - Not reported  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: Not reported  
Additional Code 1: Not reported

Map ID  
Direction  
Distance  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20040728  
Creation Date: 12/28/2004 14:47:40  
Receipt Date: 20040809  
Manifest ID: 23621682  
Trans EPA ID: CAR000063921  
Trans Name: CONSOLIDATED WESTERN  
Trans 2 EPA ID: CAD981375983  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: - Not reported  
RCRA Code: Not reported  
Meth Code: - Not reported  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20040728  
Creation Date: 12/28/2004 14:47:40  
Receipt Date: 20040809  
Manifest ID: 23621682  
Trans EPA ID: CAR000063921  
Trans Name: CONSOLIDATED WESTERN  
Trans 2 EPA ID: CAD981375983  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: - Not reported  
Quantity Tons: 0.18765  
Waste Quantity: 45  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20040728  
Creation Date: 12/28/2004 14:47:40  
Receipt Date: 20040809

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Manifest ID: 23621682  
Trans EPA ID: CAR000063921  
Trans Name: CONSOLIDATED WESTERN  
Trans 2 EPA ID: CAD981375983  
Trans 2 Name: TECHNICHEM INC  
TSDf EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: - Not reported  
RCRA Code: Not reported  
Meth Code: - Not reported  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: Not reported  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

**Additional Info:**

Year: 1995  
Gen EPA ID: CAD983617648

Shipment Date: 19951115  
Creation Date: 7/29/1996 0:00:00  
Receipt Date: 19951116  
Manifest ID: 95888197  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2107  
Waste Quantity: 0.25  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19951115  
Creation Date: 7/29/1996 0:00:00  
Receipt Date: 19951116  
Manifest ID: 95888197  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.1167  
Waste Quantity: 28  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19951018  
Creation Date: 7/26/1996 0:00:00  
Receipt Date: 19951019  
Manifest ID: 95942900  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2293  
Waste Quantity: 55  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19951018  
Creation Date: 7/26/1996 0:00:00  
Receipt Date: 19951019  
Manifest ID: 95942900  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2107
Waste Quantity:	0.25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950808
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19950809
Manifest ID:	95473400
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD981397417
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950808
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19950809
Manifest ID:	95473400
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD981397417
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported



Map ID  
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EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19950629  
Creation Date: 4/3/1996 0:00:00  
Receipt Date: 19950630  
Manifest ID: 95598355  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2107  
Waste Quantity: 0.25  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19950629  
Creation Date: 4/3/1996 0:00:00  
Receipt Date: 19950630  
Manifest ID: 95598355  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2293  
Waste Quantity: 55  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19950525  
Creation Date: 4/2/1996 0:00:00  
Receipt Date: 19950530

Map ID  
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Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Manifest ID: 95666385  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981397417  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2107  
Waste Quantity: 0.25  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 19950525  
Creation Date: 4/2/1996 0:00:00  
Receipt Date: 19950530  
Manifest ID: 95666385  
Trans EPA ID: CAD981414386  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD981397417  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD981397417  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.271  
Waste Quantity: 65  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:  
Year: 2003  
Gen EPA ID: CAD983617648

Shipment Date: 20031205  
Creation Date: 8/12/2004 8:09:46  
Receipt Date: 20031211  
Manifest ID: 22928766  
Trans EPA ID: CAR000036921  
Trans Name: CONSOLIDATED WESTERN LLC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031205
Creation Date:	8/12/2004 8:09:46
Receipt Date:	20031211
Manifest ID:	22928766
Trans EPA ID:	CAR000036921
Trans Name:	CONSOLIDATED WESTERN LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031028
Creation Date:	8/20/2004 8:27:39
Receipt Date:	20031030
Manifest ID:	22928555
Trans EPA ID:	CAR000036921
Trans Name:	CONSOLIDATED WESTERN LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

RCRA Code:	perchloroethylene, etc. F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031028
Creation Date:	8/20/2004 8:27:39
Receipt Date:	20031030
Manifest ID:	22928555
Trans EPA ID:	CAR000036921
Trans Name:	CONSOLIDATED WESTERN LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030910
Creation Date:	7/13/2004 10:48:19
Receipt Date:	20030917
Manifest ID:	22418666
Trans EPA ID:	CAR000036921
Trans Name:	CONSOLIDATED WESTERN LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20030910  
Creation Date: 7/13/2004 10:48:19  
Receipt Date: 20030917  
Manifest ID: 22418666  
Trans EPA ID: CAR000036921  
Trans Name: CONSOLIDATED WESTERN LLC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: ONYX ENVIRONMENTAL SERVICES  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.22935  
Waste Quantity: 55  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20030711  
Creation Date: 7/23/2004 9:17:32  
Receipt Date: 20030721  
Manifest ID: 22410366  
Trans EPA ID: CAR000036921  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
RCRA Code: F002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.04  
Waste Quantity: 80  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20030711  
Creation Date: 7/23/2004 9:17:32  
Receipt Date: 20030721

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Manifest ID: 22410366  
Trans EPA ID: CAR000036921  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.  
  
RCRA Code: F002  
Meth Code: R01 - Recycler  
Quantity Tons: 0.2085  
Waste Quantity: 50  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20030520  
Creation Date: 6/22/2004 9:47:57  
Receipt Date: 20030530  
Manifest ID: 22410218  
Trans EPA ID: CAR000036921  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD008302903  
TSDf Alt Name: Not reported  
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: F002  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.1  
Waste Quantity: 200  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20030520  
Creation Date: 6/22/2004 9:47:57  
Receipt Date: 20030530  
Manifest ID: 22410218  
Trans EPA ID: CAR000036921  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD008302903  
Trans Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2008
Gen EPA ID:	CAD983617648
Shipment Date:	20080903
Creation Date:	10/13/2008 18:30:47
Receipt Date:	20080904
Manifest ID:	000403768GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080903
Creation Date:	10/13/2008 18:30:47
Receipt Date:	20080904
Manifest ID:	000403768GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

RCRA Code:	D039
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080903
Creation Date:	10/13/2008 18:30:47
Receipt Date:	20080904
Manifest ID:	000403768GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080903
Creation Date:	10/13/2008 18:30:47
Receipt Date:	20080904
Manifest ID:	000403768GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080723
Creation Date:	10/1/2008 18:30:17
Receipt Date:	20080729
Manifest ID:	000403501GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080723
Creation Date:	10/1/2008 18:30:17
Receipt Date:	20080729
Manifest ID:	000403501GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080723
Creation Date:	10/1/2008 18:30:17
Receipt Date:	20080729
Manifest ID:	000403501GBF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080723
Creation Date:	10/1/2008 18:30:17
Receipt Date:	20080729
Manifest ID:	000403501GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080519
Creation Date:	11/17/2008 18:30:24
Receipt Date:	20080522
Manifest ID:	000380916GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

TSDF Alt Name: Not reported  
Waste Code Description: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.  
RCRA Code: Not reported  
Meth Code: H020 - Solvents Recovery  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20080519  
Creation Date: 11/17/2008 18:30:24  
Receipt Date: 20080522  
Manifest ID: 000380916GBF  
Trans EPA ID: CAR000166827  
Trans Name: AMERICAN INDUSTRIAL SERVICES  
Trans 2 EPA ID: CAR000161836  
Trans 2 Name: TECHNICHEM INC  
TSDF EPA ID: NVR000076158  
Trans Name: RESOLVENT INC  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 134 - Aqueous solution with <10% total organic residues  
RCRA Code: D039  
Meth Code: H020 - Solvents Recovery  
Quantity Tons: Not reported  
Waste Quantity: Not reported  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

**HWTS:**

Name: POWER PROF CLEANERS CORP DBA POWER CLEAN  
Address: 20562 REGENCY LN  
Address 2: STE F  
City,State,Zip: LAKE FOREST, CA 926308146  
EPA ID: CAD983617648  
Inactive Date: Not reported  
Create Date: 02/04/1992  
Last Act Date: 07/23/2020  
Mailing Name: Not reported  
Mailing Address: 20562 REGENCY LN  
Mailing Address 2: STE F  
Mailing City,State,Zip: LAKE FOREST, CA 926308146  
Owner Name: KHODER DOAIFI  
Owner Address: 23749 RIDGEWAY  
Owner Address 2: Not reported  
Owner City,State,Zip: MISSION VIEJO, CA 926920000  
Contact Name: KHODER DOAIFI  
Contact Address: 20562 REGENCY LN  
Contact Address 2: STE F

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**POWER PROF CLEANERS CORP DBA POWER CLEAN (Continued)**

**S103982353**

City,State,Zip: LAKE FOREST, CA 92630

NAICS:  
 EPA ID: CAD983617648  
 Create Date: 2002-03-14 16:36:27.000  
 NAICS Code: 81232  
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)  
 Issued EPA ID Date: 1992-02-04 00:00:00  
 Inactive Date: Not reported  
 Facility Name: POWER PROF CLEANERS CORP DBA POWER CLEAN  
 Facility Address: 20562 REGENCY LN  
 Facility Address 2: STE F  
 Facility City: LAKE FOREST  
 Facility County: Not reported  
 Facility State: CA  
 Facility Zip: 926308146

**B11**  
**SSW**  
**1/8-1/4**  
**0.152 mi.**  
**802 ft.**

**LAKE FOREST ARCO**  
**20572 LAKE FOREST DR**  
**LAKE FOREST, CA 92630**

**UST U003913409**  
**N/A**

**Site 3 of 9 in cluster B**

**Relative:**  
**Lower**  
**Actual:**  
**700 ft.**

UST:  
 Name: LAKE FOREST ARCO  
 Address: 20572 LAKE FOREST DR  
 City,State,Zip: LAKE FOREST, CA 92630  
 Facility ID: Not reported  
 Permitting Agency: Orange County Environmental Health  
 Latitude: 33.6635  
 Longitude: -117.66608

Name: LAKE FOREST ARCO  
 Address: 20572 LAKE FOREST DR  
 City,State,Zip: LAKE FOREST, CA 92630  
 Facility ID: Not reported  
 Permitting Agency: Orange County Environmental Health  
 Latitude: 33.6635  
 Longitude: -117.66608

Name: ARCO #81641  
 Address: 20572 LAKE FOREST DR  
 City,State,Zip: LAKE FOREST, CA 92630  
 Facility ID: 12020  
 Permitting Agency: ORANGE COUNTY  
 Latitude: 33.664849  
 Longitude: -117.664751

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B12** ARCO  
**SSW** 20572 LAKE FOREST  
**1/8-1/4** LAKE FOREST, CA 92630  
**0.152 mi.**  
**802 ft.** Site 4 of 9 in cluster B

**LUST** U003937792  
**Cortese** N/A  
**CERS**

**Relative:**  
**Lower**

ORANGE CO. LUST:

**Actual:**  
**700 ft.**

Name: ARCO  
Address: 20572 LAKE FOREST DR  
City,State,Zip: LAKE FOREST, CA 92630  
Region: ORANGE  
Facility Id: 02UT008  
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded  
Date Closed: 05/16/2003  
Record ID: RO0003049

LUST:

Name: ARCO  
Address: 20572 LAKE FOREST  
City,State,Zip: LAKE FOREST, CA 92630  
Lead Agency: ORANGE COUNTY LOP  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0605947685](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605947685)  
Global Id: T0605947685  
Latitude: 33.663244  
Longitude: -117.665983  
Status: Completed - Case Closed  
Status Date: 05/16/2003  
Case Worker: KL  
RB Case Number: Not reported  
Local Agency: ORANGE COUNTY LOP  
File Location: Local Agency Warehouse  
Local Case Number: 02UT008  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

LUST:

Global Id: T0605947685  
Contact Type: Local Agency Caseworker  
Contact Name: GENIECE HIGGINS  
Organization Name: ORANGE COUNTY LOP  
Address: 1241 EAST DYER ROAD SUITE 120  
City: SANTA ANA  
Email: ghiggins@ochca.com  
Phone Number: 7144336260

Global Id: T0605947685  
Contact Type: Local Agency Caseworker  
Contact Name: KEVIN LAMBERT  
Organization Name: ORANGE COUNTY LOP  
Address: 1241 E DYER ROAD SUITE 120  
City: SANTA ANA  
Email: klambert@ochca.com  
Phone Number: 7144336261

Global Id: T0605947685  
Contact Type: Regional Board Caseworker  
Contact Name: VALERIE JAHN-BULL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARCO (Continued)**

**U003937792**

Organization Name: SANTA ANA RWQCB (REGION 8)  
Address: 3737 MAIN STREET, SUITE 500  
City: RIVERSIDE  
Email: valerie.jahn-bull@waterboards.ca.gov  
Phone Number: 9517824903

**LUST:**

Global Id: T0605947685  
Action Type: Other  
Date: 03/04/2002  
Action: Leak Reported

Global Id: T0605947685  
Action Type: Other  
Date: 02/26/2002  
Action: Leak Discovery

Global Id: T0605947685  
Action Type: ENFORCEMENT  
Date: 05/16/2003  
Action: Closure/No Further Action Letter

Global Id: T0605947685  
Action Type: REMEDIATION  
Date: 07/30/2002  
Action: Not reported

**LUST:**

Global Id: T0605947685  
Status: Open - Case Begin Date  
Status Date: 02/26/2002

Global Id: T0605947685  
Status: Open - Site Assessment  
Status Date: 02/26/2002

Global Id: T0605947685  
Status: Completed - Case Closed  
Status Date: 05/16/2003

**CORTESE:**

Name: ARCO  
Address: 20572 LAKE FOREST  
City,State,Zip: LAKE FOREST, CA 92630  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0605947685  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARCO (Continued)**

**U003937792**

Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Active Open

**CERS:**

Name: ARCO  
Address: 20572 LAKE FOREST  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 252421  
CERS ID: T0605947685  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Regional Board Caseworker  
Entity Name: VALERIE JAHN-BULL - SANTA ANA RWQCB (REGION 8)  
Entity Title: Not reported  
Affiliation Address: 3737 MAIN STREET, SUITE 500  
Affiliation City: RIVERSIDE  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 9517824903

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: JAMES STROZIER - ORANGE COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 1241 E. DYER ROAD SUITE 120  
Affiliation City: SANTA ANA  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 7144336273

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: KEVIN LAMBERT - ORANGE COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 1241 E DYER ROAD SUITE 120  
Affiliation City: SANTA ANA  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 7144336261

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**B13**  
**SSW**  
**1/8-1/4**  
**0.152 mi.**  
**802 ft.**

**ECONO LUBE N TUNE**  
**20572 LAKE FOREST DR**  
**EL TORO, CA 92630**  
**Site 5 of 9 in cluster B**

**RCRA-SQG** **1000595001**  
**FINDS** **CAD983588914**  
**ECHO**

**Relative:**  
**Lower**  
**Actual:**  
**700 ft.**

RCRA-SQG:  
 Date Form Received by Agency: 1991-07-11 00:00:00.0  
 Handler Name: ECONO LUBE N TUNE  
 Handler Address: 20572 LAKE FOREST DR  
 Handler City,State,Zip: EL TORO, CA 92630  
 EPA ID: CAD983588914  
 Contact Name: TABATABI AL  
 Contact Address: 20572 LAKE FOREST DR  
 Contact City,State,Zip: EL TORO, CA 92630  
 Contact Telephone: 714-457-0370  
 Contact Fax: Not reported  
 Contact Email: Not reported  
 Contact Title: Not reported  
 EPA Region: 09  
 Land Type: Other  
 Federal Waste Generator Description: Small Quantity Generator  
 Non-Notifier: Not reported  
 Biennial Report Cycle: Not reported  
 Accessibility: Not reported  
 Active Site Indicator: Handler Activities  
 State District Owner: CA  
 State District: 4  
 Mailing Address: 20572 LAKE FOREST DR  
 Mailing City,State,Zip: EL TORO, CA 92630  
 Owner Name: AL TABATABI  
 Owner Type: Private  
 Operator Name: NOT REQUIRED  
 Operator Type: Private  
 Short-Term Generator Activity: No  
 Importer Activity: No  
 Mixed Waste Generator: No  
 Transporter Activity: No  
 Transfer Facility Activity: No  
 Recycler Activity with Storage: No  
 Small Quantity On-Site Burner Exemption: No  
 Smelting Melting and Refining Furnace Exemption: No  
 Underground Injection Control: No  
 Off-Site Waste Receipt: No  
 Universal Waste Indicator: No  
 Universal Waste Destination Facility: No  
 Federal Universal Waste: No  
 Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported  
 Active Site Converter Treatment storage and Disposal Facility: Not reported  
 Active Site State-Reg Treatment Storage and Disposal Facility: Not reported  
 Active Site State-Reg Handler: ---  
 Federal Facility Indicator: Not reported  
 Hazardous Secondary Material Indicator: NN  
 Sub-Part K Indicator: Not reported  
 Commercial TSD Indicator: No  
 Treatment Storage and Disposal Type: Not reported  
 2018 GPRA Permit Baseline: Not on the Baseline  
 2018 GPRA Renewals Baseline: Not on the Baseline  
 Permit Renewals Workload Universe: Not reported



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ECONO LUBE N TUNE (Continued)**

**1000595001**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:35:21.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	AL TABATABI
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ECONO LUBE N TUNE (Continued)**

**1000595001**

Historic Generators:

Receive Date: 1991-07-11 00:00:00.0  
Handler Name: ECONO LUBE N TUNE  
Federal Waste Generator Description: Small Quantity Generator  
State District Owner: CA  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 811198  
NAICS Description: ALL OTHER AUTOMOTIVE REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110002848982

Click Here:

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.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000595001  
Registry ID: 110002848982  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002848982>  
Name: ECONO LUBE N TUNE  
Address: 20572 LAKE FOREST DR  
City,State,Zip: EL TORO, CA 92630

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**B14** ADAM NICK & ASSOCIATES INC DBA ARCO AMPM RCRA NonGen / NLR 1024825788  
**SSW** 20572 LAKE FOREST DR CAL000352231  
**1/8-1/4** LAKE FOREST, CA 92630  
**0.152 mi.**  
**802 ft.** Site 6 of 9 in cluster B

**Relative:**  
**Lower**

RCRA NonGen / NLR:

**Actual:**  
**700 ft.**

Date Form Received by Agency:	2010-05-05 00:00:00.0
Handler Name:	ADAM NICK & ASSOCIATES INC DBA ARCO AMPM
Handler Address:	20572 LAKE FOREST DR
Handler City,State,Zip:	LAKE FOREST, CA 92630-7740
EPA ID:	CAL000352231
Contact Name:	ADAM NICK
Contact Address:	25422 TRABUCO RD
Contact City,State,Zip:	LAKE FOREST, CA 92630
Contact Telephone:	949-812-0920
Contact Fax:	949-586-4680
Contact Email:	ADAMNICK1776@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	25422 TRABUCO RD
Mailing City,State,Zip:	LAKE FOREST, CA 92630-2796
Owner Name:	ADAM NICK & ASSOCIATES INC
Owner Type:	Other
Operator Name:	ADAM NICK
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ADAM NICK & ASSOCIATES INC DBA ARCO AMPM (Continued)**

**1024825788**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:32:12.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ADAM NICK
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	25422 TRABUCO RD
Owner/Operator City,State,Zip:	LAKE FOREST, CA 92630
Owner/Operator Telephone:	949-812-0920
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	ADAM NICK & ASSOCIATES INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	20858 PARKSIDE
Owner/Operator City,State,Zip:	LAKE FOREST, CA 92630-2796
Owner/Operator Telephone:	949-812-0920
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ADAM NICK & ASSOCIATES INC DBA ARCO AMPM (Continued)**

**1024825788**

Historic Generators:

Receive Date: 2010-05-05 00:00:00.0  
Handler Name: ADAM NICK & ASSOCIATES INC DBA ARCO AMPM  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 44711  
NAICS Description: GASOLINE STATIONS WITH CONVENIENCE STORES  
  
NAICS Code: 44719  
NAICS Description: OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**B15**  
**SSW**  
**1/8-1/4**  
**0.152 mi.**  
**802 ft.**

**PREMIER FUEL DISTRIBUTORS, INC.**  
**20572 LAKE FOREST DR**  
**EL TORO, CA 92630**  
**Site 7 of 9 in cluster B**

**CERS HAZ WASTE** **S118739443**  
**CERS TANKS** **N/A**  
**CHMIRS**  
**HAZNET**  
**CERS**  
**HWTS**

**Relative:**  
**Lower**

CERS HAZ WASTE:

**Actual:**  
**700 ft.**

Name: LAKE FOREST ARCO  
Address: 20572 LAKE FOREST DR  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 43159  
CERS ID: 10505188  
CERS Description: Hazardous Waste Generator

CERS TANKS:

Name: LAKE FOREST ARCO  
Address: 20572 LAKE FOREST DR  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 43159  
CERS ID: 10505188  
CERS Description: Underground Storage Tank

CHMIRS:

Name: Not reported  
Address: 20572 LAKE FOREST DR  
City,State,Zip: LAKE FOREST(1), CA 92630

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

OES Incident Number:	16-3069
OES notification:	05/23/2016
OES Date:	Not reported
OES Time:	Not reported
<b>Date Completed:</b>	<b>Not reported</b>
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1700
Year:	2016
Agency:	Grab and Go 24/7
Incident Date:	05/23/2016
Admin Agency:	Orange County Emergency Management Division
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Number of Fatalities: Not reported  
#1 Pipeline: No  
#2 Pipeline: No  
#3 Pipeline: No  
#1 Vessel >= 300 Tons: No  
#2 Vessel >= 300 Tons: No  
#3 Vessel >= 300 Tons: No  
Evacs: No  
Injuries: No  
Fataals: No  
Comments: Not reported  
Description: Caller states while fuel was being delivered from a tanker truck into an underground tank, an overflow of 5 gallons of gasoline occurred due to unknown causes onto asphalt. Absorbents were immediately placed on the spill. A contractor handled the clean up

**HAZNET:**

Name: PREMIER FUEL DISTRIBUTORS, INC.  
Address: 20572 LAKE FOREST DR  
Address 2: Not reported  
City,State,Zip: EL TORO, CA 926307740  
Contact: RAED HAWATMEH  
Telephone: 5626021000  
Mailing Name: Not reported  
Mailing Address: 7213 ROSECRANS AVE STE. B  
  
Year: 2016  
Gepaid: CAC002862111  
TSD EPA ID: CAD028409019  
CA Waste Code: 352 - Other organic solids  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.3

**CERS:**

Name: LAKE FOREST ARCO  
Address: 20572 LAKE FOREST DR  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 43159  
CERS ID: 10505188  
CERS Description: Chemical Storage Facilities

**Violations:**

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/19/2017  
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)  
Violation Description: Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.  
Violation Notes: Returned to compliance on 07/25/2017. The 87 Main and 91 spill buckets failed test. Failed spill buckets must be repaired and/or replaced within 30 days of this inspection.  
Violation Division: Orange County Environmental Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/19/2017  
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)  
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.  
Violation Notes: Returned to compliance on 01/22/2018. Hazardous materials training records are not available on site. Employees present on site during inspection have not had training that includes managing carbon dioxide release. Hazardous materials management training that includes safety procedures in the event of a release or threatened release of carbon dioxide, must be conducted within 30 days of this inspection and records be submitted to this agency.  
Violation Division: Orange County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 10/5/2015  
Citation: 23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)  
Violation Description: Failure to submit a copy of the secondary containment test results to the CUPA within 30 days after the test.  
Violation Notes: Returned to compliance on 11/20/2015. Secondary Containment Testing Report Form for tests conducted on 8/18/15 have not been received by this agency. Copies of test results must be submitted to this agency within 30 days of testing.  
Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 10/5/2015  
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284  
Violation Description: Failure to obtain and maintain a valid operation permit from the CUPA.  
Violation Notes: Returned to compliance on 01/05/2016. Valid/current Permit To Operate tanks is not available on site. Permit posted on site expired on 6/30/14.  
Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/9/2015  
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284  
Violation Description: Failure to obtain and maintain a valid operation permit from the CUPA.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Violation Notes: Returned to compliance on 08/08/2015. Valid/current Permit To Operate tanks is not available on site. Permit posted on site expired 6/30/14. Current Permit To Operate tanks must be obtained and be available on site within 30 days of this inspection.

Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 10/7/2019  
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)

Violation Description: Failure to submit the G Underground Storage Tank Statement of Understanding and Compliance Form.G

Violation Notes: Returned to compliance on 10/15/2019. Due to submittal of new DO form, this agency requested submittal of Underground Storage Tank Statement of Understanding and Compliance Form" on 5/23/19 after review of 4/11/19 submittal. Requested form has not been submitted. Underground Storage Tank Statement of Understanding and Compliance Form" must be submitted by 10/21/19 to avoid enforcement action.

Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/9/2014  
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to maintain on site an approved monitoring plan.

Violation Notes: Returned to compliance on 10/06/2014. A copy of monitoring plan is not available for review on site. Monitoring plan must be available on site for review and copy must be electronically submitted.

Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 5/24/2016  
Citation: HSC 6.95 25510(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25510(a)

Violation Description: Failure to report a release or threatened release of a hazardous material to the unified program agency and to OES.

Violation Notes: Returned to compliance on 05/24/2016. Employees, authorized representatives shall upon discovery, immediately report any release or threatened release of hazardous materials to Fire, Health and OES. Incident happened approximately at 5PM and OES notification came in approximately at 7:30 pm Violation has been abated no further action needed.

Violation Division: Orange County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Violation Date: 6/19/2017  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 08/22/2017. Copy of certification of financial responsibility (CFR) submitted to CERS is dated 11/30/16 with expiration date of 11/30/17, however, the copy of CFR maintained on site is dated 1/30/16 with expiration date of 1/30/17. Valid CFR with correct date must be obtained and maintained on site within 30 days of this inspection. Corrected CFR form must also be submitted electronically if the copy already submitted to CERS, has incorrect date.  
Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/15/2016  
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)  
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).  
Violation Notes: Returned to compliance on 06/20/2016. The monitoring system was last certified on 6/9/15. Monitoring system must be certified annually. Monitoring system certification must be scheduled and conducted by 6/28/16.  
Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/19/2018  
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)  
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.  
Violation Notes: Returned to compliance on 06/19/2018. UDCs 1/2 and 7/8 did not functioning properly due to debris around floats. Floats were cleaned and passed when retested. This violation was corrected during the inspection.  
Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/18/2019  
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)  
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.  
Violation Notes: Returned to compliance on 06/18/2019. A float in UDC 7/8 did not

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

function properly due to loose chain. Chain was tightened and passed when retested. This violation has been corrected.

Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/18/2019  
Citation: 23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)

Violation Description: Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system.

Violation Notes: Returned to compliance on 06/18/2019. The annular sensor in 87 auxiliary tank was replaced, like for like, during inspection since turbine would not start when sensor was placed back into tank. New sensor was tested and functioned properly. This violation has been corrected.

Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 4/24/2015  
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)

Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.

Violation Notes: Returned to compliance on 11/20/2015. Investigation to determine components failure (87M fill and turbine sumps, 87S turbine sumps, diesel turbine sump, UDC 3/4, all four spill buckets must be conducted and if necessary, plans for repair/replacement must be submitted to this Agency within 30 days of this inspection report.

Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/9/2014  
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: 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.

Violation Notes: Returned to compliance on 12/16/2014. The accumulation date on the label is not clear since the label has faded. Accumulation time must be written on the label.

Violation Division: Orange County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 2/5/2019

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)

Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, - 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Returned to compliance on 02/14/2019. Overfill Prevention Equipment Inspection was not conducted by October 13, 2018. This inspection must be conducted and test results be submitted to this agency within 30 days of this inspection report.

Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/9/2014

Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)

Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.

Violation Notes: Returned to compliance on 12/16/2014. Consolidated manifests and bills of lading must be available during normal business hours. Copies must be kept for a minimum of three years from date of disposal. Obtain a copies of manifests for the last three for your files. This Agency will conduct a follow up inspection to review manifests and correct this violation.

Violation Division: Orange County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/19/2018

Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)

Violation Description: Failure to operate the UST system to prevent unauthorized releases

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Violation Notes: including leaks, spills, and/or overfills. Returned to compliance on 07/26/2018. All gasoline spill buckets (87 main, 87 auxiliary and 91) failed test. Failed bucket must be repaired/replaced and retested within 30 days of this inspection.

Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/20/2016  
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665

Violation Description: Failure of the overfill prevention system to meet one of the following requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.

Violation Notes: Returned to compliance on 08/18/2016. The enunciator's light is burnt out. The light bulb must be replaced and enunciator be retested within 30 days of this inspection.

Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 5/24/2016  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

Violation Description: Business Plan Program - Release/Leaks/Spills - General  
Violation Notes: Returned to compliance on 05/24/2016. I332 Business Plan Program-Release/Leaks/Spills- HSC 6.95 25507 Failure to Implement the Consolidated Emergency Response/Contingency Plan in an Emergency. Facility has submitted an Emergency Response plan indicating the following Section B. Internal Response Plan -- Failure to Call 911 as stated in emergency response plan, Fire indicated they were called by a concerned citizen. -- Failure to Call Hazardous waste contractor, on this date Fire advised that a clean up company should call. Section D. Emergency Containment and Clean up Procedures. -- Provide absorbent Physical barrier. Fire provided this, employee was washing down tankpad with hose when fire had to stop and berm. Violation has been abated. No further action needed.

Violation Division: Orange County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/9/2014

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: 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.

Violation Notes: Returned to compliance on 06/09/2014. The label on the fuel waste (liquid and solids) drum has faded. A new hazardous waste label was filled out and placed on the drum during the inspection. This violation was corrected during the inspection.

Violation Division: Orange County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/19/2017

Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)

Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.

Violation Notes: Returned to compliance on 07/07/2017. Drum storing water contaminated with fuel was 2/3 full (contained more than 27 gallons of waste) before test water from today's test was poured in it. Accumulation time for this waste has been exceeded. This waste must be properly disposed of within 30 days of this inspection and copy of manifest be submitted to this agency.

Violation Division: Orange County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Violation Date: 6/9/2014

Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)

Violation Description: Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.

Violation Notes: Returned to compliance on 12/16/2014. There is no accumulation date on the waste fuel drum and there are no manifests on site to verify the last time hazardous waste was picked up from this facility. The drum is 2/3 full and must be disposed of properly within 30 days of this inspection.

Violation Division: Orange County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Violation Date: 6/9/2015  
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)  
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.  
Violation Notes: Returned to compliance on 08/08/2015. Copies of monitoring system certification report for test conducted in 6/2014 and copy of secondary containment report for test conducted in 3/2015 are not available on site. Copies of all test results must be available on site. Copies of missing reports must be obtained and be available on site within 30 days of this inspection.  
Violation Division: Orange County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Evaluation:  
Eval General Type: Other/Unknown  
Eval Date: 08-18-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: On site for follow up inspection and to witness secondary containment testing of the components (87M fill and turbine sumps, 87S turbine sump, diesel turbine sump, UDC 3/4, all four spill buckets) that failed initial test conducted on 3/11/15. All failed components that had either penetrations and/or boots replaced, passed two consecutive 15 minute tests. Test results must be submitted to this agency within 30 days of this inspection. Copies of the secondary containment report for tests conducted on 3/11/15 and monitoring system certification reports for test conducted in 2014 and 2015 are still not available on site. Therefore, outstanding violation (I319) regarding failure to maintain test results on site cited during routine inspection conducted on 6/9/15, cannot be corrected. In addition, outstanding violation (481) regarding failure to have a copy of valid permit on site cited during routine inspection conducted on 6/9/15, cannot be [Truncated]  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-22-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: On site for follow up inspection to correct outstanding violation I583 regarding failure to maintain a valid copy of certification of financial responsibility (CFR) on site, cited during routine inspection conducted on 6/19/17. Valid CFR with coverage period from 11/30/16 to 11/30/17 and CFO letter dated 11/30/16, as submitted to CERS, are available on site. Violation has been corrected.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval General Type: Other/Unknown  
Eval Date: 05-27-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Received them Manifest for the clean up.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-06-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: On site on follow up inspection to correct the following violations cited during the routine inspection conducted on 6/9/14: - Copies of UST Facility Information and tank pages are available on site and have been electronically submitted. Violation TR02 has been corrected. - A copy of valid Certification of Financial Responsibility with coverage period from 7/20/14 to 7/29/15 is available on site and has been electronically submitted. Violation TR05 has been corrected. - A copy of the response plan is available on site and has been electronically submitted. Violation TS02 has been corrected. - Copies of monitoring plan are available on site and have been electronically submitted. Violation TS03 has been corrected.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-06-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: On site for follow up inspection to correct outstanding violations regarding accumulation time being exceeded and accumulation time not marked on label, cited during the routine inspection conducted on 6/9/14. The waste drum observed on 6/9/14 is still on site. The waste must be hauled off site for proper disposal by a registered hauler by 10/20/14 to avoid enforcement action. Provided EPA ID# application to "reactivate" EPA ID# during inspection.  
Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-06-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed 7/28/14 and 7/29/14 submittals in CERS. The CFR, tank pages and site map were updated. Documents submitted on 7/29/14 were accepted.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-06-2015  
Violations Found: No



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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Type: Other, not routine, done by local agency  
Eval Notes: Submitted Show Cause Letter Form for AEO to enforcement officer, Gerrit K.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-12-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Received email from owner with an email attached documenting that he has submitted application to DTSC tor reactivate the EPA ID#.  
Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-13-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Review Show Cause Letter. Update and Print for Certified Mail. Letter will be sent on 11-16-15.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-17-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: On site for second follow up inspection to review manifest dated 12/12/14, that was not available on site during the routine inspection conducted on 6/9/15, and to correct the outstanding violation (I474) regarding manifests not being available for review. Copy of manifest is available on site. Violation was corrected this date.  
Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-17-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: On site for third follow up inspection to correct the following outstanding violations cited during routine inspection conducted on 6/9/15 and follow up inspection report dated 10/5/15: - Failure to maintain copies of secondary containment report for tests conducted on 3/11/15 and monitoring system certification report for tests conducted in 2014 and 2015. Copies of secondary containment testing report for 3/2015 and monitoring system certification report for 2014 and 2015 are available on site. Violation I319 regarding failure to maintain of test results on site has been corrected. - Failure to maintain a copy of valid permit on site cited. Most current copy of permit available on site expired on 6/30/14. Copy of the 2015 UST permit is still not available on site. Violation I481 regarding

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

failure to maintain valid permit on site cannot be corrected. - A copy of the Secondary Containment Testing Report form for tests conducted on 8/18/15 is [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 12-03-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: A copy of Secondary Containment Testing Report Form for activities conducted on 8/18/15, after completion of repairs to address failures during initial tests conducted on 3/11/15, was submitted to this Agency on 11/18/15. All tested components passed. Plan check may be closed.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 12-16-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Chemical Inventory and site map submitted to CERS on 10/22/14 were corrected and accepted.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-20-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Based on observations made during onsite inspection conducted on 6/19/17, submittal status of hazardous material inventory submitted on 1/25/17 was changed from G AcceptedG to G Not AcceptedG with the following considerations: Locations of the Carbon Dioxide dewar, propane tank and water/gas mixture are not correct. Carbon Dioxide dewar is located on the opposite side of the building from the location shown on site map. Locations of the propane tank and waste drums (inside trash enclosure) is shown in reverse on site map.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-09-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: I received a copy of Monitoring System Certification and Spill Bucket Testing Report Form for activities conducted on 6/9/15. All components passed test.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Map ID  
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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval General Type: Other/Unknown  
Eval Date: 07-15-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and approved plans to replace two penetration fitting in UDC 3/4 and all penetration fittings in both turbine and fill sumps. I called Clean Air Testing to notify them that plans were approved.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-31-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Went to site for follow up inspection to correct outstanding violations cited during the routine inspection conducted on 6/9/14. Owner, Nick, was not on site. Employees requested that inspection be conducted when owner is on site. I called and left message for Nick to call so an appointment for inspection can be schedule

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-18-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: On site to witness secondary containment testing of the components (87M fill and turbine sumps, 87S turbine sump, diesel turbine sump, UDC 3/4, all four spill buckets) that failed initial tests conducted on 3/11/15. Technician stated that penetrations in all sumps (fill and piping) were replaced. Therefore, all sumps were tested using Incon. The boot in UDC 3/4 was replaced and was tested with Incon. All spill buckets were replaced and visually tested. Failed components that were tested with Incon passed two consecutive 15 minute tests and spill buckets passed one hour visual test. Test results must be submitted to this agency within 30 days of this inspection.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-22-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: On site to conduct follow up inspection and correct outstanding violation I239, regarding failure to provide annual hazardous materials management training, cited during routine inspection conducted on 6/19/17. Training records/sign in sheet is not available on site. Training records that include employee names and training date(s) must be submitted to this agency in order to correct this violation.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

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Elevation

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval General Type: Other/Unknown  
Eval Date: 09-30-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I received email from Nick Adams, business owner, with a State CFR form attached. The email stated that Clean Air Testing is working on the CUPA forms and will be submitted. The CFR listed an insurance policy but a copy was not provided. I emailed Nick back requesting a copy of the insurance policy and also explained that a NOV will be prepared if CUPA forms are not submitted by 10/7/13.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 09-30-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I received email from owner stating that he has not been able to have the waste picked up since DTSC has not reactivated the EPA ID#. I emailed DTSC number to call to obtain EPA ID# status and asked if he needed assistance with submitting form to DTSC.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-05-2015  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: On site for second follow up inspection to correct the following outstanding violations cited during routine inspection conducted on 6/9/15: - Failure to maintain copies of secondary containment report for tests conducted on 3/11/15 monitoring system certification reports for tests conducted in 2014 and 2015. Please be advised that this since violation has been elevated to Class I since copies of reports are still not available on site. - Failure to maintain a copy of valid permit on site cited. Most current copy of permit available on site expired on 6/30/14. . Please be advised that this since violation has been elevated to Class I since copies of reports are still not available on site. A copy of the Secondary Containment Testing Report form for tests conducted on 8/18/15 is not available on site. In addition, this Agency requested submittal of test results within 30 days of testing, in the inspection report dated 8/18/15, during [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-06-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: The 7/28/14 was not accepted with the following considerations: The boxe(s) in section G Indicate How Employees Training Program Is AdministeredG such as G Formal Classroom, Videos Safety/Tailgate MeetingsG on the Consolidated Emergency Response / Contingency Plan

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

must be checked.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-06-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Submitted Show Cause Letter Form for AEO to enforcement officer, Gerrit K.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-07-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Copies of the following documents were received by this Agency: -  
Underground Storage Tanks Operating Permit Application - Facility Information - Underground Storage Tanks Operating Permit Application - Tank Information for each tank - Underground Storage Tank - Monitoring Plan - Owner Statements of Designated Underground Storage Tank (UST) Operator (DO) form naming David A. Lopez of Clean Air Testing, as the primary DO - Certification of Financial Responsibility form with coverage period from 5/29/13 to 5/29/14. A copy of the insurance policy was not submitted. Please be advised that the following documents must be submitted to abate the outstanding violations: - Underground Storage Tank - Response Plan - Copy of training records for employees trained by the designated operator (DO) - A copy of the USTs insurance policy

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-07-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted on 7/28/14 were reviewed and declined with the following considerations: The type and volume of carbon dioxide was verified during an onsite inspection conducted 10/6/14. It appears that the facility has liquid carbon dioxide rather than G gasG as reported. In addition, the volume would be greater than the reported 380 cubic feet (over 1000 cubic feet) if it was gas. Liquid carbon dioxide is reported in pounds. The volume of carbon dioxide must be verified and Hazardous Materials Inventory form be updated. The site map does not show the location of the storm drain.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-08-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Notes: NOV issued for operating without a permit, due to non-compliance. NOV mailed October 1, 2015.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-15-2019  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted to CERS on 10/13/19, included a copy of Underground Storage Tank Statement of Understanding and Compliance Form. Violation I007 regarding failure to submit G Underground Storage Tank Statement of Understanding and Compliance Form, cited in inspection report dated 10/7/19, has been corrected.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-04-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I received a copy of training record documenting that employees were trained by the DO on 7/8/13. Violation TS12 regarding employee training by the DO, cited during the routine inspection conducted on 6/27/13, has been corrected. The copy of the insurance policy, Premier Businessowners Policy, does not list the USTs as covered items. Please submit a copy that shows that the USTs are covered by this policy.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-04-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Begin AEO process. Obtain electronic reports. Review reports and 7800. Create HMSS AEO Tab on Spreadsheet. Draft Show Cause Letter. Hyperlink reports to spreadsheet. Review HWTS. Email Show Cause to HCA/Lane for review.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-05-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Received email from owner, Adam Nick, stating that all documents on site are in order and ready for a follow up inspection.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-18-2015

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Show Cause Letter SIGNED and sent Certified Mail. Email to HCA staff with update.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-20-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: A copy of Secondary Containment Testing Report Form for activities conducted on 8/18/15, after completion of repairs to address failures during initial tests conducted on 3/11/15, was submitted to this Agency on 11/18/15. All tested components passed. Violation I296 regarding failure to submit test results within 30 days of testing, cited in the inspection dated 11/5/15 has been corrected.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 12-29-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Update HMSS Spreadsheet. Scan and link Certified Mail Card. Show Cause Letter signed for on 11-21-2015. Review file. Review violations. Update 7800 and violations spreadsheet. Meeting scheduled for 3-1-2016. Notes in 7800 confirm receipt of Show Cause Letter and Notice of Settlement Hearing.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 01-05-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I received email from owner on Dec. 24th (while I was on vacation) regarding valid permit. It appeared that he attempted to send a copy of the permit but it was not attached properly. I emailed him back to let him know that permit was not attached.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 01-05-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: I received a copy of missing UST permit dated from 7/1/14 to 6/30/15. Violation I481, regarding failure to maintain a valid UST permit cited during routine inspection conducted on 6/9/15, has been corrected. A valid permit to operate USTs will be issued by this agency.  
Eval Division: Orange County Environmental Health

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 01-06-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted Facility Information documents submitted to CERS on 1/3/17. EPA ID# is not active and must be reactivated.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 01-25-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed annual certification documents submitted to CERS on 1/25/17. Facility Information was not accepted since EPA ID# is not active.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-18-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Meeting with OCEH Frias and OCEH Lane. Discuss Case and Violations.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-18-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Review file for meeting with OCEH/Lane and OCEH/Frias  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-09-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: SB989 notification  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-26-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: file purge  
Eval Division: Orange County Environmental Health



Map ID  
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Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-15-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO CLOSED: Update Files. SEP verified. Draft CERS Enforcement Summary. Draft Compliance Letter. Close CO. Close EN. AEO CLOSED APRIL 15, 2016.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-22-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Change UST status to not get a permit, per Arghavan.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-02-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Monitor cert notification  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-03-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Monitor cert notification  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-09-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct routine hazardous waste inspection. Jim Masjedifar granted consent to conduct inspection. I walked the perimeter and inspected waste storage area in trash enclosure. The waste drum was opened to verify contents. The drum contains sump water and solids (hose was observed) and is 2/3 full. The label has faded, therefore, accumulation time is unknown. Please be advised that the waste stored on site must be disposed of properly within 30 days of this inspection. Please be advised that as a small quantity generator, you may store up to 27 gallons/220 pounds of waste on site. The "accumulation start date" must be written on the label(s) when there is 27/220 pounds gallons of waste on site, then have all waste hauled off site by a registered transporter for proper disposal within 180

Map ID  
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MAP FINDINGS

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

days of that date. There are no manifests available for review on site. Copies of manifests for the last three years must be obtained for your files within 30 days of [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-14-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Monitor cert notification for 6-19  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-18-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct routine hazardous waste inspection. Hamed Yavari granted consent to conduct inspection. I walked the perimeter and inspected waste storage area inside trash enclosure. I did not observe any hazardous waste in municipal trash. Fuel waste solids (1) and liquid (1) drums are stored closed and labeled. Manifests were reviewed. Emergency card is posted in glass covered bulletin board.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-19-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct routine hazardous waste inspection. Azam Damircheloo granted consent to conduct inspection. EPA ID# for this business is inactive. Business owner is in the process of reactivating the number. I walked the perimeter and inspected waste storage area in trash enclosure. I did not observe any hazardous waste in municipal trash. Fuel waste liquid drum is stored closed and labeled with accumulation date of 2/18/16. The drum was 2/3 full (contained more than 27 gallons of waste) before test water from todayG s test was poured in it. Accumulation time for water contaminated with fuel has been exceeded. This waste must be properly disposed of within 30 days of this inspection and copy of manifest be submitted to this agency. In addition, several hoses (one with a nozzle attached) were in the liquid waste drum. Hoses were removed and placed in an empty drum. The solids drum was labeled during the inspection. Manifests were reviewed. Last manifest [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-19-2018  
Violations Found: No  
Eval Type: Routine done by local agency

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Notes: Not reported  
Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-19-2018  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: On site to witness monitoring system certification activities and conduct routine UST inspection. Annular and turbine sump sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water. Fill sump sensors are not programmed to shut down the turbines and functioned properly, visual and audible alarm, when submerged in water. UDCs have Bravo boxes with float and chain mechanism. Water was poured in all UDCs with floats. Some floats in UDCs 1/2 and 7/8 did not functioning properly due to debris around floats. Failed floats were cleaned and passed when retested. Fail-safe and sensor out were tested and passed. ATGs were tested and passed test with the enunciator functioning properly. Line leak detectors were tested and passed. Spill buckets were tested. Only diesel bucket passed test. All gasoline spill buckets (87 main, 87 auxiliary and 91) failed test. Failed bucket must be repaired/replaced and retested within 30 days of [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-08-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: file review file needs help per tlc let the district inspector handle.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-26-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted revised site map submitted to CERS on 6/28/17.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-26-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I received a copy of Spill Bucket Testing Report Form for activities conducted on 6/28/18, documenting that failed gasoline tanks' spill buckets were cleaned and/or repaired and passed test. Violation I189 regarding spill buckets not passing test, cited during routine inspection conducted on 6/19/18, has been corrected.

Eval Division: Orange County Environmental Health  
Eval Program: UST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-01-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed file for compliance  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-29-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Finalized and mailed NOV to the facility.  
Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-05-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Received email from owner, Adam Nick, stating that all documents on site are in order and ready for a follow up inspection.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 12-02-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I received email from owner dated 11/30/14, stating that EPA ID# has been reactivated and that the waste will be picked up in the next two or three business days.  
Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 12-04-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I received call from business owner, Adam Nick. He had received notice for office hearing and wanted to know why he received it since he is in compliance now. I explained the AEO process to him and let him know there is still an outstanding violation regarding not having a valid permit when routine inspection in June 2015 before permit has expired. He stated that he found the 2014/2015 UST permit and will email a copy.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 12-16-2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: I received a copy of manifest dated 12/12/14, documenting the waste was hauled off site by Asbury Environmental. A copy of the manifest must be available on site for review. Outstanding violations regarding waste not being stored within approved accumulation time (W009), containers not clearly marked with beginning accumulation time (W010) and manifests not being available on site (W0038) have been corrected. Please be advised that as a small quantity generator, you may store up to 27 gallons of waste on site. The "accumulation start date" must be written on the label(s) when there is 27 gallons of waste on site, then have all waste hauled off site by a registered transporter for proper disposal within 180 days of that date.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-13-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Monitor cert notification  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-17-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I received a copy of Monitoring System Certification and Spill Bucket Testing Report Form for activities conducted on 6/9/14. All components passed.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-19-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Azam Damircheloo granted consent to conduct inspection. I walked through the facility and inspected hazardous material storage areas. There has been no changes in types and/or volumes of the hazardous material stored on site since last inspection or previous reporting period. However, locations of the Carbon Dioxide dewar, propane tank and water/gas mixture are not correct. Carbon Dioxide dewar is located in the opposite side of the building from the location shown on site map. The locations of the propane tank and waste drum (inside trash enclosure) is shown in reverse on site map. Corrected/revised site map must be electronically submitted within 30 days of this inspection. Hazardous materials training records are not available on site. Employees present on site during inspection have not had training that includes managing carbon dioxide release. Hazardous [Truncated]

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-20-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I received a copy of Monitoring System Certification, Line Leak Detector Test Form and Spill Bucket Testing Report Form for activities conducted on 6/19/18. All components except gasoline tanks' spill bucket passed test. Failed buckets must be repaired/replaced and retested within 30 days of the onsite inspection.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-27-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed revised site map submitted to CERS on 6/20/17 was not accepted since site map is not legible. North arrow is barely visible. Only one fire hydrant is shown/visible. Access/exit points and location of carbon dioxide dewar are not shown or not legible. Facility does not have propane tank. Tank is Healy tank.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-09-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: From: Dong, Alvin Sent: Tuesday, July 09, 2013 9:49 AM To: 'adamnick1776@gmail.com' Subject: Emailing: grabNgo247UST, grabNgo247HW Hello Adam, Here are your inspection reports. I suggest you ask Dave Lopez to assist you to complete the attached forms. A copy of the uniform hazardous waste manifest should be mailed to the state within 30 days of hazardous waste disposal. DTSC Generator Manifests Department of Toxic Substances Control P.O. Box 400 Sacramento, CA 95812-0400 Further information may be obtained on the web: www.dtsc.ca.gov If you have any questions, please let me know. Btw my telephone number has changed 714 640 9358. Thanks, Alvin Dong Hazardous Waste Specialist Environmental Health Division 714 640-9358 voice 714 754 1768 fax

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-11-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: I received a copy of Monitoring System Certification and Spill Bucket Testing Report Form for activities conducted on 6/20/16. All components passed test, except the overfill

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

prevention/enunciator's visual component. Violation I101 regarding failure to maintain overfill prevention cited during onsite inspection conducted on 6/20/16, cannot be corrected since the report does not document that the light bulb was replaced and enunciator retested. Violation I205 regarding failure to certify leak detection equipment annually cited in the inspection report dated 6/15/16, has been corrected.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-25-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Received and reviewed a copy of Spill Bucket Testing Report Form for activities conducted on 7/22/17, after drain valves were replaced in the 87 Main and 91 spill buckets. Both spill buckets passed test. Violation I189 regarding spill buckets not passing test, cited during routine inspection conducted on 6/19/17, has been corrected.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-28-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed 6/26/14 submittal in CERS and did not accept with the following considerations: The tanks at the facility do not have Fill Tube Shut-Off Valves. The G YesG for G Fill Tube Shut-Off ValveG on the Underground Storage Tank G Tank Information pages must be removed. The site map not specify the 87M and 87S tanks and does not show the locations of the UST monitoring panel and sensors. A revised site map must be submitted. The Certification Of Financial Responsibility form lists an insurance policy as the chosen mechanism. However, a copy of the insurance policy is not submitted. A copy of the insurance policy showing tank coverage must be submitted. In addition, the amount of \$100,000 per occurrence and \$200,000 annual aggregate listed on the CFO letter for financial responsibility, is not adequate.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-31-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Went to site for follow up inspection to correct outstanding violations cited during the routine inspection conducted on 6/9/14. Owner, Nick, was not on site. Employees requested that inspection be conducted when owner is on site. I called and left message for Nick to call so an appointment for inspection can be schedule

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval General Type:	Other/Unknown
Eval Date:	01-11-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Change status to receive a permit, per Arghavan.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-19-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-22-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	I received a copy of sign in sheet for hazardous materials training provided for all employees on 1/19/18. Outstanding violation I239 regarding failure to provide annual employee training, cited during routine inspection conducted on 6/19/17, has been corrected.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-23-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed and accepted revised tank pages submitted to CERS on 1/16/17.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-28-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	AEO: Dsicuss case with HCA/Lane. Review Violations.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-05-2019
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Please be advised that this agency has reviewed file for this facility and it has been determined that this site is not in compliance with Underground Storage Tank Regulation since Overfill Prevention Equipment Inspection was not conducted by October 13, 2018. Overfill Prevention Equipment Inspection must be conducted and test results be



Map ID  
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MAP FINDINGS

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

submitted to this agency within 30 days of this inspection report.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-11-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: SB 989 reschedule notification  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-11-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed documents submitted to CERS on 2/1/16 and 2/11/16. Submittal on 2/11/16 was accepted.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-16-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted documents submitted to CERS on 2/1/16. Submittal included certification of financial responsibility with coverage period from 1/30/16 to 1/30/17 and updated DO form.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-21-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Review case file. Deadline to Notify OC CUPA of receipt of Draft Order was 2-17-18. No notification to date.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-06-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: review of file per Gerrit Kovach.  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-24-2016  
Violations Found: Yes

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Type: Other, not routine, done by local agency  
Eval Notes: Captain Lopez from OCFA called OC Health at 5:30 to notify that a tanker truck has overflowed (aprox 5 gallons per cashier). A concerned citizen called 911. As Fire arrived on scene cashier was washing tank pad down with water. Approximately 30 gallons of water per fire. Fire bermed up gas/water mixture before it hit the storm drain. Fire informed owner that a clean up company needs to be called for proper clean up. Arrived on scene fire had already left. Arrived to witness the cashier (Max Yavavi) rolling up water hose. Gas/water mixture has traveled off site but did not hit the storm drain. Pictures taken on this date. Interviewed Max, he indicated that the there was an overfill and was told by trucking company to wash down tank pad. Asked cashier if OES has been notified. He indicated that he did not know who that was. He called the owner to come down and meet us. Owner Adam Nick arrived on scene and interviewed, he indicated that he also did not call [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-06-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Received a copy of monitoring system certification report for activities conducted on 6/20/16. The report did not include any information on enunciator's burnt out bulb. I emailed tank testing company back and requested that information regarding enunciator's burnt out bulb be included in report.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-07-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I received a copy of manifest documenting removal of 50 gallons of water contaminated with the fuel from the facility on 6/30/17. Violation I053 regarding failure to dispose of hazardous waste within permissible accumulation time, cited during routine inspection conducted on 6/19/17, has been corrected.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-09-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: From: Dong, Alvin Sent: Tuesday, July 09, 2013 9:49 AM To: 'adamnick1776@gmail.com' Subject: Emailing: grabNgo247UST, grabNgo247HW Hello Adam, Here are your inspection reports. I suggest you ask Dave Lopez to assist you to complete the attached forms. A copy of the uniform hazardous waste manifest should be mailed to the state within 30 days of hazardous waste disposal. DTSC Generator Manifests Department of Toxic Substances Control P.O. Box 400

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Sacramento, CA 95812-0400 Further information may be obtained on the web: www.dtsc.ca.gov If you have any questions, please let me know. Btw my telephone number has changed 714 640 9358. Thanks, Alvin Dong Hazardous Waste Specialist Environmental Health Division 714 640-9358 voice 714 754 1768 fax

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 01-06-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed documents submitted to CERS on 1/3/17. Submittal was not accepted since the G Date UST System InstalledG was not listed on Tank Information pages. Submittal included the following documents: - Certificate of Financial Responsibility with coverage period from 11/30/16 to 11/30/17. - Updated DO statement naming David Lopez of Clean Air Testing Inc., as the primary DO.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-11-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Started reviewing documents submitted to CERS on 2/1/16. Gas/Water Mixture form must be revised as follows: - Hazardous Material Type must be changed from G MixtureG to G Waste.G - Fire Code Hazard Classes (Toxic) must be listed. - G FireG listed as the Federal Hazard Categories does not appear correct since only 2% of the mixture is gasoline. Please revised this section. - G State Waste CodeG must be listed - G Annual Waste AmountG must be reported. Carbon Dioxide: Fire Code Hazard Classes (Cryogenic) must be listed on form.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-14-2019  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I received and reviewed Overfill Prevention Equipment Inspection Report Form for activities conducted on 1/22/19. Facility's overfill prevention is audible/visual alarm. There are no ball floats in tanks and vent piping is double wall. Alarm in all tanks is activated at 90%. Violation I101 regarding failure to inspect overfill prevention equipment prior to 10/13/18, cited in this agency's inspection report dated 2/5/19, has been corrected.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-15-2018  
Violations Found: No

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Distance  
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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Type: Other, not routine, done by local agency  
Eval Notes: I received a copy of Secondary Containment Testing Report Form (3 year SB989) for activities conducted on 1/23/18. All components passed test.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-29-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Review files. Print and organize inspection reports. Review history and violations.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-01-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Create Files for AEO. Review files. Updated Penalty information. Discuss case with OCEH Lane and OCEH Fard. Review case chronology. Draft COntent Order.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-04-2020  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: On site to verify type of carbon dioxide stored on site since it has been reported as gas and liquid was observed during onsite inspection conducted by this agency on 6/19/17. Facility manager granted access to conduct inspection. I inspected room where carbon dioxide is stored. Facility stores liquid carbon dioxide, not gas. Inventory form submitted to CERS on 1/27/20 must be corrected as follows: - Physical Type must be changed from "Gas" to "Liquid." - Information listed under Fire Code hazard Classes section must be deleted. - Uncheck "Yes" listed for "HEALTH: Acute Toxicity" under Federal Hazard Categories section. - Check "Yes" for "HEALTH: Simple Asphyxiant" under Federal Hazard Categories section. - Volume must be reported in gallons rather than cubic feet. - Storage Temperature must be changed from "Ambient" to "Below Ambient."

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-06-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Review case file and Spill Reporting Regs to determine threatened release.

Eval Division: Orange County Environmental Health

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-24-2015  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: I received a copy of Secondary Containment Testing Report Form (3 year - SB989) for activities conducted on 3/11/15. The following components failed test: - 87M fill and turbine sumps - 87S turbine sumps - Diesel turbine sump - UDC 3/4 - All four spill buckets Investigation to determine components failure must be conducted and if necessary, plans for repair/replacement must be submitted to this Agency within 30 days of this inspection report.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-25-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Updated emergency plan submitted to CERS on 4/18/16 was not accepted since it is not legible.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-24-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: ADMINISTRATIVE ENFORCEMENT ORDER Request for Show Cause Letter  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-09-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct routine hazardous waste inspection. Max Yavari granted consent to conduct inspection. I walked the perimeter and inspected waste storage area in trash enclosure. I did not observe any hazardous waste in municipal trash. Waste drum was empty until spill bucket test water was placed in it. Waste drum is labeled. Please ensure that the G start accumulation dateG is written on the label when there is 27 gallons of waste stored on site and then have the waste hauled off site for proper disposal within 180 days of that date. There are no manifests available for review on site. Based on copy of manifest submitted to this agency previously, last waste pick up was on 12/12/14. A copy of this manifest must be obtained and be available on site for review. Business emergency plan is available on site and emergency card is posted in a glass covered bulletin board in store.

Eval Division: Orange County Environmental Health  
Eval Program: HW

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-09-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to witness monitoring system certification activities and conduct routine UST inspection. All sensors were at the lowest point and sumps were dry. All turbine sump and annular sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water. Fill sump sensors are not programmed to shut down the turbines and functioned properly (visual and audible) when submerged in water. UDCs have Bravo boxes with float and chain mechanism. Water was poured in all UDCs and all float and chains functioned properly. Fail-safe and sensor were tested and passed. Line leak detectors were tested and passed. All ATGs were tested and passed test with the enunciator functioning properly. Spill buckets were tested visually without any changes in water level. Valid permit is not available on site. Permit posted on site expired on 6/30/14. Current Permit To Operate tanks must be obtained and available on site [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-19-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: On site to witness monitoring system certification activities and conduct routine UST inspection. Annular and turbine sump sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water. Fill sump sensors are not programmed to shut down the turbines and functioned properly (visual and audible) when submerged in water. UDCs have Bravo boxes with float and chain mechanism. Water was poured in all UDCs and all float and chains functioned properly. Fail-safe, sensor out and emergency shut off were tested with diesel and 91 turbines shutting down. The 87 turbine did not shut down due to stuck relay. Call to repair/replace relay was made during the inspection. ATGs were tested and passed test with the enunciator functioning properly. Line leak detectors testing was not witnessed by this agency. Spill buckets were tested visually with diesel and 87 auxiliary passing test. The 87 main and 91 spill buckets failed [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-20-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct routine hazardous waste inspection. Hamed Yavari granted consent to conduct inspection. I walked the perimeter and inspected waste storage area in trash enclosure. I did not observe any hazardous waste in municipal trash. Fuel waste liquid drum is stored closed and labeled. Manifests were

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

reviewed. Business emergency plan is available on site.  
Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-27-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I received a copy of Monitoring System Certification and Spill Bucket Testing Report Form for activities conducted on 6/19/17. All components passed test except for the 87 Main and 91 spill buckets. Failed spill buckets must be repaired/replaced and tested by 7/17/17 and copy of results be submitted to this agency to avoid further enforcement action.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-28-2019  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I received a copy of Monitoring System Certification Form and Spill Container Testing Report Form for activities conducted on 6/18/19. All components passed test.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-28-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed 6/26/14 and 6/27/14 submittals in CERS and did not accept them with the following considerations: Carbon Dioxide must be reported in cubic feet and G Storage PressureG for this gas is Above Ambient. Revised Hazardous Materials Inventory form must be submitted. Storage Pressure, CAS # and G % by WeightG of components for gas/water mixture should be listed on the Hazardous Materials Inventory form. Revised Hazardous Materials Inventory form must be submitted. The site map does include a legend for the symbols listed on the map and cannot be reviewed for accuracy. A revised site map must be submitted. Ensure that emergency shut offs, evacuation staging area, storm and sewer drains are shown on site map. ER: 6/26/14 submittal Local Unified Program Agency (UPA/CUPA) number should be listed on the Consolidated Emergency Response / Contingency Plan. The Consolidated Emergency Response / Contingency Plan only lists training by the DO (UST designated [Truncated])

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-18-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency

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Distance  
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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Notes: Inspector Comments: I received revised Monitoring System Certification report for activities conducted on 6/20/16, that included comment that enunciator bulb was replaced and retested the same day with passing results. Violation I101 regarding failure to maintain overfill prevention cited during onsite inspection conducted on 6/20/16, has been corrected.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-19-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed, purged file and placed in new UST format. Copies of monitoring certification reports for tests conducted on 6/14/11 and 6/19/12 are not in file. The following updated CUPA forms have not been submitted to this Agency: - Monitoring plan - Response Plan - Tank pages - Facility page

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-23-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: On site for follow up inspection to correct outstanding violations cited in the inspection report dated 6/27/13. The owner was not on site but the manager called him and I talked to him. He said that due to death in his family and him being overseas, the outstanding violations have not been complied with. He requested that I leave an inspection report listing outstanding documents. The following documents must be submitted to this Agency immediately to correct the outstanding violations: - Documentation showing that the 91 spill bucket was repaired/replaced and retested with passing results. - Copies of CUPA Forms (UST Facility Page, UST Tanks Page Information, Monitoring Plans, Response Plans) - Copy of valid Certification Of Financial Responsibility (CFR) Form. The CFR expired 5/2012. - Copy of training records for employees trained by the designated operator (DO)

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-26-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I reviewed Monitoring System Certification and Spill Bucket Testing Report Form for activities conducted on 6/27/13. All components including components that initially failed (91 shear valve in UDC 7/8 and 91 spill buckets). The chain in UDC 7/8 was re-attached and drain valve and O-ring for the 91 spill bucket were replaced during the inspection. Both components passed when retested. The following violations have been corrected: - TF01 - Monitoring system not being conducted annually - TM05 - Spill bucket (91) not passing test - TO04 - Monitoring system (91 shear valve in UDC 7/8) not being operational.



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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-05-2015  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: On site for follow up inspection to review manifest dated 12/12/14, that was not available on site during the routine inspection conducted on 6/9/15, and to correct the outstanding violation (1474) regarding manifests not being available for review. The manifest is still not available on site. Please be advised that this since violation has been elevated to Class I since a copy of the manifest is still not available on site. Failure to comply with the violation listed above may result in penalties.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-06-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: On site to verify the type (gas or liquid) and volume of carbon dioxide. The carbon dioxide dewar is larger than the 380 cubic feet reported.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-07-2019  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Due to submittal of new DO form, this agency requested submittal of "Underground Storage Tank Statement of Understanding and Compliance Form" on 5/23/19 after review of 4/11/19 submittal. Requested form has not been submitted. "Underground Storage Tank Statement of Understanding and Compliance Form" must be submitted by 10/21/19.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-08-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: SB 989 test notification  
Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-28-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Notes: Prepared NOV and submitted it to supervisor for review.  
Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 01-20-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Draft Order and Cover Letter Complete. Update and review. Email to OCEH/Lane for review. Files updated.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 01-28-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Letter and Draft Order Approved and Final. Draft AEO will be sent 2-3-2017. Deadline to notify is 2-17-17. Initial final compliance date is 3-31-2017.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-10-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted DO forms submitted to CERS on 1/31/17 with the following comment: Please be advised that ICC Certification for the primary DO, David A. Lopez of Clean Air Testing, listed on first form expired on 2/5/17. In addition, ICC Certification for the primary DO, Edgar Arroyo of Clean Air Testing, listed on the second form without facility information expired on 1/10/17 and alternate DOG s, Emily Quizon of Clean Air Testing, will expire on 2/12/17.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-01-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Case Review and Update. Call to Adam Nick to be made.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-01-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Spoke with Adam Nick this date in regards to the events of the spill on 5.23.2017. Reports indicated that an employee of Grab N Go was the responsible party for hosing down the overfill spill. Adam

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

stated that that was not true and it was the driver. Adam also informed me that he did call as soon as he was able. The initial spill was reported to be about 5 gallons and the use of the hose led to about a 30 gallon fuel water mixture going offsite. 9-1-1 was called by a concerned citizen. Adam Nick would like to further discuss in a meeting. Confirmed meeting request. Will also review Spill requirements again. Will discuss with OCEH/Negro also. Need to see if there are signed reports and photos as stated. Update AEO File.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-02-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I reviewed and accepted certification of financial responsibility submitted to CERS on 11/1/17, with coverage period from 10/30/17 to 10/30/18.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-07-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Discussed conversation with Adam Nick with OCEH/Lane and OCEH/Berg

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-22-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Review file. Update HMSS Files and Master Spreadsheet. Draft Compliance Checklist.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-05-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed documents submitted to CERS on 4/6/17 and 4/11/17. One included updated DO statement. The 4/11/17 submittal included an updates site map that is not legible and was not accepted.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-19-2017  
Violations Found: No

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Database(s)

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**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed documents submitted to CERS on 5/8/17 and 5/16/17. Accepted 5/6/17 submittal. The 5/8/17 submittal included a legible site map but was not accepted due to error caused by CERS issue that change LLD model # to manufacturer name.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-23-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Captain Lopez from OCFA called OC Health at 5:30 to notify that a tanker truck has overflowed (aprox 5 gallons per cashier). A concerned citizen called 911. As Fire arrived on scene cashier was washing tank pad down with water. Approximately 30 gallons of water per fire. Fire bermed up gas/water mixture before it hit the storm drain. Fire informed owner that a clean up company needs to be called for proper clean up. Arrived on scene fire had already left. Arrived to witness the cashier (Max Yavavi) rolling up water hose. Gas/water mixture has traveled off site but did not hit the storm drain. Pictures taken on this date. Interviewed Max, he indicated that the there was an overfill and was told by trucking company to wash down tank pad. Asked cashier if OES has been notified. He indicated that he did not know who that was. He called the owner to come down and meet us. Owner Adam Nick arrived on scene and interviewed, he indicated that he also did not call [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-24-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Discussed with Darwin Cheng. Wrote class I violations on an FO\$ Write up of CO

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-27-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted updated/legible emergency plan submitted to CERS on 5/25/16.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-09-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct hazardous materials chemical inventory and business

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

emergency plan inspection. I walked through the facility and inspected hazardous materials storage area. The facility has the following hazardous materials that meet the required disclosure quantities: - Gasoline tanks - Diesel tanks - Carbon dioxide Facility is required and has been notified to electronically submit the following documents within 30 days of this inspection: - Business Activities form - Owner/Operator Identification form - Hazardous Material Chemical Inventory forms - Facility Site Map - Business Emergency Plan Documents must be electronically submitted by going to [www.esubmit.ocgov.com](http://www.esubmit.ocgov.com) and requesting a username and password. User guides and tutorials are located on the home page to help you get started. If you are having trouble, please call (714) 433-6000 and request to speak to the portal administrator.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-09-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: On site to witness monitoring system certification testing activities

and to conduct routine UST inspection. The turbine sump sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water. The fill sump sensors are not programmed to shut down the turbines and functioned properly (visual and audible) when submerged in water. The 87 Main, 91 and diesel annular sensors could not be tested due to ripped strings. The 87 auxiliary annular sensor alarmed properly (visual and audible) and shut down the turbine when submerged in water. The strings were replaced during the inspection and passed when retested. The UDCs have Bravo boxes with float and chain mechanism. Water was poured in all UDCs and all float and chains functioned properly. Fail-safe and sensor were tested and passed. Line leak detectors were tested and passed. All ATGs were tested and passed test with the enunciator functioning properly. Spill buckets [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-15-2016  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: Please be advised that this Agency has reviewed the file for this facility. The last monitoring system certification testing for this facility was conducted on 6/9/15. Monitoring system certification test must be conducted annually. Monitoring system certification test must be scheduled and conducted by 6/28/16 to correct the violation listed above and avoid any enforcement action.

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-18-2019  
Violations Found: Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Eval Type: Routine done by local agency  
Eval Notes: On site to witness monitoring system certification activities and conduct routine UST inspection. Annular and turbine sump sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water. The annular sensor in 87 auxiliary tank was replaced, like for like, during inspection since turbine would not start when sensor was placed back into tank. New sensor was tested and functioned properly. Fill sump sensors are not programmed to shut down the turbines and functioned properly, visual and audible alarm, when submerged in water. UDCs have Bravo boxes with float and chain mechanism. Water was poured in all UDCs with floats. A float in UDC 7/8 did not function properly due to loose chain. Chain was tightened and passed when retested. Fail-safe and sensor out were tested and passed. Overfill Prevention Equipment Inspection was conducted at the site on 1/22/19 Line leak detectors testing was not witnessed by this [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-20-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to witness monitoring system certification activities and conduct routine UST inspection. All sensors were at the lowest point and sumps were dry. Turbine sump and annular sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water. Fill sump sensors are not programmed to shut down the turbines and functioned properly (visual and audible) when submerged in water. UDCs have Bravo boxes with float and chain mechanism. Water was poured in all UDCs and all float and chains functioned properly. Fail-safe, sensor out and emergency shut off were tested and passed. Line leak detectors were tested and passed. ATGs were tested with enunciator horn functioning by the light is burnt out. The light bulb must be replaced and enunciator be retested within 30 days of this inspection. Spill buckets were tested visually without any changes in water level. Valid permit, designated operator [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Enforcement Action:  
Site ID: 43159  
Site Name: Lake Forest Arco  
Site Address: 20572 LAKE FOREST DR  
Site City: LAKE FOREST  
Site Zip: 92630  
Enf Action Date: 01-05-2018  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: Orange County Environmental Health  
Enf Action Program: HMRRP  
Enf Action Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Site ID: 43159  
Site Name: Lake Forest Arco  
Site Address: 20572 LAKE FOREST DR  
Site City: LAKE FOREST  
Site Zip: 92630  
Enf Action Date: 03-01-2016  
Enf Action Type: AEO - Unified Program  
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute  
Enf Action Notes: Fines/Penalties Assessed: \$3,500.00. SEPs Value: \$3,500.00. GRAB N GO LAKE FOREST ARCO 20572 LAKE FOREST DRIVE, CA 92630 FA0024654 CO0060587.  
  
Enf Action Division: Orange County Environmental Health  
Enf Action Program: UST  
Enf Action Source: CERS

Site ID: 43159  
Site Name: Lake Forest Arco  
Site Address: 20572 LAKE FOREST DR  
Site City: LAKE FOREST  
Site Zip: 92630  
Enf Action Date: 10-08-2015  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: OPERATING WITHOUT A UST PERMIT.  
Enf Action Division: Orange County Environmental Health  
Enf Action Program: UST  
Enf Action Source: CERS

Coordinates:  
Site ID: 43159  
Facility Name: Lake Forest Arco  
Env Int Type Code: HWG  
Program ID: 10505188  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 33.663500  
Longitude: -117.666080

Affiliation:  
Affiliation Type Desc: Legal Owner  
Entity Name: Adam Nick  
Entity Title: Not reported  
Affiliation Address: 20572 Lake Forest Dr  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 92630  
Affiliation Phone: (949) 586-4680

Affiliation Type Desc: UST Permit Applicant  
Entity Name: Adam Nick  
Entity Title: Owner  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Affiliation Zip: Not reported  
Affiliation Phone: (949) 586-4680

Affiliation Type Desc: Identification Signer  
Entity Name: Adam Nick  
Entity Title: OWNER  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: Adam Nick and Associates  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (949) 586-4680

Affiliation Type Desc: UST Tank Operator  
Entity Name: Adam Nick  
Entity Title: Not reported  
Affiliation Address: 25422 Trabucco Rd.  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 92630  
Affiliation Phone: (949) 586-4680

Affiliation Type Desc: UST Tank Owner  
Entity Name: Adam Nick  
Entity Title: Not reported  
Affiliation Address: 25422 Trabucco Rd.  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 92630  
Affiliation Phone: (949) 586-4680

Affiliation Type Desc: CUPA District  
Entity Name: Orange County Env Health  
Entity Title: Not reported  
Affiliation Address: 1241 East Dyer RoadSuite 120  
Affiliation City: Santa Ana  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92705-5611  
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Environmental Contact  
Entity Name: Adam Nick  
Entity Title: Not reported  
Affiliation Address: 20572 Lake Forest Dr



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation  
Entity Name: Lake Forest Arco  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer  
Entity Name: Dawn Harkey  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 25422 Trabucco Rd. Ste. 105-255  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Affiliation Type Desc: UST Property Owner Name  
Entity Name: Adam Nick  
Entity Title: Not reported  
Affiliation Address: 25422 Trabucco Rd. Ste. 105-225  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 92630  
Affiliation Phone: (949) 586-4680

**HWTS:**

Name: PREMIER FUEL DISTRIBUTORS, INC.  
Address: 20572 LAKE FOREST DR  
Address 2: Not reported  
City,State,Zip: EL TORO, CA 926307740  
EPA ID: CAC002862111  
Inactive Date: 08/23/2016  
Create Date: 05/23/2016  
Last Act Date: 08/23/2016  
Mailing Name: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PREMIER FUEL DISTRIBUTORS, INC. (Continued)**

**S118739443**

Mailing Address: 7213 ROSECRANS AVE STE. B  
 Mailing Address 2: Not reported  
 Mailing City,State,Zip: PARAMOUNT, CA 90723  
 Owner Name: PREMIER FUEL DIST. INC.  
 Owner Address: 7213 ROSECRANS AVE STE. B  
 Owner Address 2: Not reported  
 Owner City,State,Zip: PARAMOUNT, CA 90723  
 Contact Name: RAED HAWATMEH  
 Contact Address: 7213 ROSECRANS AVE STE. B  
 Contact Address 2: Not reported  
 City,State,Zip: PARAMOUNT, CA 90723

**B16**  
**SSW**  
 1/8-1/4  
 0.152 mi.  
 802 ft.

**GRAB N GO 24/7**  
**20572 LAKE FOREST DR**  
**LAKE FOREST, CA 92630**

**UST U004200589**  
**N/A**

**Site 8 of 9 in cluster B**

**Relative:**  
**Lower**

ORANGE CO. UST:  
 Name: GRAB N GO 24/7  
 Address: 20572 LAKE FOREST DR  
 City,State,Zip: LAKE FOREST, CA 92630  
 Facility ID: FA0024654

**B17**  
**SSW**  
 1/8-1/4  
 0.152 mi.  
 802 ft.

**ARCO AM/PM**  
**20572 LAKE FOREST DR**  
**LAKE FOREST, CA 92630**

**LUST S105774214**  
**SWEEPS UST N/A**

**Site 9 of 9 in cluster B**

**Relative:**  
**Lower**

LUST REG 8:  
 Name: ARCO  
 Address: 20572 LAKE FOREST DR  
 City: LAKE FOREST  
 Region: 8  
 County: Orange  
 Regional Board: Santa Ana Region  
 Facility Status: Case Closed  
 Case Number: Not reported  
 Local Case Num: 02UT008  
 Case Type: Soil only  
 Substance: Gasoline  
 Qty Leaked: 0  
 Abate Method: Not reported  
 Cross Street: Not reported  
 Enf Type: CLOS  
 Funding: Not reported  
 How Discovered: UM  
 How Stopped: Other Means  
 Leak Cause: Unknown  
 Leak Source: Piping  
 Global ID: T0605947685  
 How Stopped Date: 9/9/9999  
 Enter Date: Not reported  
 Date Confirmation of Leak Began: Not reported  
 Date Preliminary Assessment Began: 2/26/2002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARCO AM/PM (Continued)**

**S105774214**

Discover Date: 2/26/2002  
Enforcement Date: Not reported  
Close Date: 5/16/2003  
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: Not reported  
Soil Qualifies: Not reported  
Operator: Not reported  
Facility Contact: Not reported  
Interim: Not reported  
Oversite Program: LUST  
Latitude: 0  
Longitude: 0  
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: JS  
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

**SWEEPS UST:**

Name: ARCO AM/PM  
Address: 20572 LAKE FOREST DR  
City: LAKE FOREST  
Status: Active  
Comp Number: 12020  
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: 30-000-012020-000001  
Tank Status: A  
Capacity: 10000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: P  
Content: LEADED  
Number Of Tanks: 4  
  
Name: ARCO AM/PM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARCO AM/PM (Continued)**

**S105774214**

Address: 20572 LAKE FOREST DR  
City: LAKE FOREST  
Status: Active  
Comp Number: 12020  
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: 30-000-012020-000002  
Tank Status: A  
Capacity: 10000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: Not reported

Name: ARCO AM/PM  
Address: 20572 LAKE FOREST DR  
City: LAKE FOREST  
Status: Active  
Comp Number: 12020  
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: 30-000-012020-000003  
Tank Status: A  
Capacity: 10000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Name: ARCO AM/PM  
Address: 20572 LAKE FOREST DR  
City: LAKE FOREST  
Status: Active  
Comp Number: 12020  
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: 30-000-012020-000004  
Tank Status: A  
Capacity: 10000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ARCO AM/PM (Continued)

S105774214

Number Of Tanks: Not reported

D18  
South  
1/8-1/4  
0.161 mi.  
851 ft.

ECONO LUBE N TUNE  
20592 LAKE FOREST DR  
LAKE FOREST, CA 92630

SWEEPS UST U003721264  
N/A

Site 4 of 5 in cluster D

Relative:  
Lower  
Actual:  
727 ft.

SWEEPS UST:  
Name: ECONO LUBE N TUNE  
Address: 20592 LAKE FOREST DR  
City: LAKE FOREST  
Status: Active  
Comp Number: 12498  
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: 30-000-012498-000001  
Tank Status: A  
Capacity: 550  
Active Date: Not reported  
Tank Use: PETROLEUM  
STG: P  
Content: Not reported  
Number Of Tanks: 1

D19  
South  
1/8-1/4  
0.161 mi.  
851 ft.

CROSSROADS AUTOMOTIVE  
20592 LAKE FOREST DR  
LAKE FOREST, CA 92630

RCRA NonGen / NLR 1024799552  
CAL000212212

Site 5 of 5 in cluster D

Relative:  
Lower  
Actual:  
727 ft.

RCRA NonGen / NLR:  
Date Form Received by Agency: 2000-02-15 00:00:00.0  
Handler Name: CROSSROADS AUTOMOTIVE  
Handler Address: 20592 LAKE FOREST DR  
Handler City,State,Zip: LAKE FOREST, CA 92630-0000  
EPA ID: CAL000212212  
Contact Name: TIM REICHENBACH  
Contact Address: 20592 LAKE FOREST DR  
Contact City,State,Zip: LAKE FOREST, CA 92630-0000  
Contact Telephone: 949-829-9922  
Contact Fax: Not reported  
Contact Email: Not reported  
Contact Title: Not reported  
EPA Region: 09  
Land Type: Not reported  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Handler Activities  
State District Owner: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CROSSROADS AUTOMOTIVE (Continued)**

**1024799552**

State District:	Not reported
Mailing Address:	20592 LAKE FOREST DR
Mailing City, State, Zip:	LAKE FOREST, CA 92630-0000
Owner Name:	CROSSROADS AUTOMATIC
Owner Type:	Other
Operator Name:	TIM REICHENBACH
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:44:59.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CROSSROADS AUTOMOTIVE (Continued)**

**1024799552**

Importer of Spent Lead Acid Batteries: No  
Exporter of Spent Lead Acid Batteries: No  
Recycler Activity Without Storage: No  
Manifest Broker: No  
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator  
Owner/Operator Name: TIM REICHENBACH  
Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 20592 LAKE FOREST DR  
Owner/Operator City,State,Zip: LAKE FOREST, CA 92630-0000  
Owner/Operator Telephone: 949-829-9922  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: CROSSROADS AUTOMATIC  
Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 20592 LAKE FOREST DR  
Owner/Operator City,State,Zip: LAKE FOREST, CA 92630-0000  
Owner/Operator Telephone: 949-829-9922  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2000-02-15 00:00:00.0  
Handler Name: CROSSROADS AUTOMOTIVE  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 811111  
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
<b>E20</b> <b>SE</b> <b>1/8-1/4</b> <b>0.165 mi.</b> <b>869 ft.</b>	<b>GENERAL MONITORS</b> <b>26776 SIMPATICA CIRCLE</b> <b>LAKE FOREST, CA 92630</b>  <b>Site 1 of 3 in cluster E</b>	<b>RCRA NonGen / NLR</b>	<b>1024761844</b> <b>CAC002981705</b>
<b>Relative: Higher</b>	RCRA NonGen / NLR:		
<b>Actual: 768 ft.</b>	Date Form Received by Agency:	GENERAL MONITORS	2018-09-24 00:00:00.0
	Handler Name:		
	Handler Address:	26776 SIMPATICA CIRCLE	
	Handler City,State,Zip:	LAKE FOREST, CA 92630	
	EPA ID:	CAC002981705	
	Contact Name:	KENN RAMAS	
	Contact Address:	26776 SIMPATICA CIRCLE	
	Contact City,State,Zip:	LAKE FOREST, CA 92630	
	Contact Telephone:	949-268-9509	
	Contact Fax:	Not reported	
	Contact Email:	KENN.RAMAS@MSASAFETY.COM	
	Contact Title:	Not reported	
	EPA Region:	09	
	Land Type:	Not reported	
	Federal Waste Generator Description:	Not a generator, verified	
	Non-Notifier:	Not reported	
	Biennial Report Cycle:	Not reported	
	Accessibility:	Not reported	
	Active Site Indicator:	Handler Activities	
	State District Owner:	Not reported	
	State District:	Not reported	
	Mailing Address:	26776 SIMPATICA CIRCLE	
	Mailing City,State,Zip:	LAKE FOREST, CA 92630	
	Owner Name:	BIXBY LAND CO.	
	Owner Type:	Other	
	Operator Name:	KENN RAMAS	
	Operator Type:	Other	
	Short-Term Generator Activity:	No	
	Importer Activity:	No	
	Mixed Waste Generator:	No	
	Transporter Activity:	No	
	Transfer Facility Activity:	No	
	Recycler Activity with Storage:	No	
	Small Quantity On-Site Burner Exemption:	No	
	Smelting Melting and Refining Furnace Exemption:	No	
	Underground Injection Control:	No	
	Off-Site Waste Receipt:	No	
	Universal Waste Indicator:	Yes	
	Universal Waste Destination Facility:	Yes	
	Federal Universal Waste:	No	
	Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site Converter Treatment storage and Disposal Facility:	Not reported	
	Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site State-Reg Handler:	---	
	Federal Facility Indicator:	Not reported	
	Hazardous Secondary Material Indicator:	N	
	Sub-Part K Indicator:	Not reported	
	Commercial TSD Indicator:	No	
	Treatment Storage and Disposal Type:	Not reported	
	2018 GPRA Permit Baseline:	Not on the Baseline	
	2018 GPRA Renewals Baseline:	Not on the Baseline	
	Permit Renewals Workload Universe:	Not reported	



Map ID  
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MAP FINDINGS

Site

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EDR ID Number  
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**GENERAL MONITORS (Continued)**

**1024761844**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-10-01 18:38:43.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BIXBY LAND CO.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1501 QUAIL ST, SUITE #230
Owner/Operator City,State,Zip:	NEWPORT BEACH, CA 92660
Owner/Operator Telephone:	949-336-7000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KENN RAMAS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	26776 SIMPATICA CIRCLE
Owner/Operator City,State,Zip:	LAKE FOREST, CA 92630
Owner/Operator Telephone:	949-268-9509
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
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**GENERAL MONITORS (Continued)**

**1024761844**

Historic Generators:

Receive Date:	2018-09-24 00:00:00.0
Handler Name:	GENERAL MONITORS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	334418
NAICS Description:	PRINTED CIRCUIT ASSEMBLY (ELECTRONIC ASSEMBLY) MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found
-------------	---------------------

Evaluation Action Summary:

Evaluations:	No Evaluations Found
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**E21**  
**SE**  
**1/8-1/4**  
**0.165 mi.**  
**869 ft.**

**GENERAL MONITORS**  
**26776 SIMPATICA CIR**  
**LAKE FOREST, CA 92630**  
**Site 2 of 3 in cluster E**

**CERS HAZ WASTE** **S113799744**  
**HAZNET** **N/A**  
**CERS**  
**HWTS**

**Relative:**  
**Higher**  
**Actual:**  
**768 ft.**

**CERS HAZ WASTE:**  
 Name: GENERAL MONITORS  
 Address: 26776 SIMPATICA CIR  
 City,State,Zip: LAKE FOREST, CA 92630  
 Site ID: 413349  
 CERS ID: 10546522  
 CERS Description: Hazardous Waste Generator

**HAZNET:**

Name:	GENERAL MONITORS
Address:	26776 SIMPATICA CIR
Address 2:	Not reported
City,State,Zip:	LAKE FOREST, CA 926308101
Contact:	DEON NUNGARAY
Telephone:	9492689550
Mailing Name:	Not reported
Mailing Address:	26776 SIMPATICA CIR
Year:	2019
Gepaid:	CAL000365457
TSD EPA ID:	CAD044429835
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	-
Tons:	0.09900

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
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GENERAL MONITORS (Continued)

S113799744

Year:	2019
Gepaid:	CAL000365457
TSD EPA ID:	CAD044429835
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.07500
Year:	2019
Gepaid:	CAL000365457
TSD EPA ID:	CAD982444481
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00750
Year:	2019
Gepaid:	CAL000365457
TSD EPA ID:	PAD089352983
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	0.13500
Year:	2019
Gepaid:	CAL000365457
TSD EPA ID:	CAD044429835
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01000
Year:	2018
Gepaid:	CAL000365457
TSD EPA ID:	CAD003963592
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.13500
Year:	2017
Gepaid:	CAL000365457
TSD EPA ID:	CAD003963592
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1655
Year:	2017
Gepaid:	CAL000365457
TSD EPA ID:	CAD028409019
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1325
Year:	2017
Gepaid:	CAL000365457

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GENERAL MONITORS (Continued)**

**S113799744**

TSD EPA ID: CAD982444481  
CA Waste Code: 331 - Off-specification, aged or surplus organics  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.0175  
  
Year: 2016  
Gepaid: CAL000365457  
TSD EPA ID: CAD003963592  
CA Waste Code: 181 - Other inorganic solid waste  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.384

[Click this hyperlink](#) while viewing on your computer to access 12 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year: 2013  
Gen EPA ID: CAL000365457  
  
Shipment Date: 20131230  
Creation Date: 11/10/2014 13:20:14  
Receipt Date: 20140108  
Manifest ID: 010873648JJK  
Trans EPA ID: CAD003963592  
Trans Name: ECS REFINING  
Trans 2 EPA ID: CAR000188201  
Trans 2 Name: ENVIRONMENTAL RECOVERY SERVICES  
TSD EPA ID: CAD003963592  
Trans Name: ECS REFINING  
TSD EPA Alt ID: Not reported  
TSD EPA Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.425  
Waste Quantity: 850  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20131230  
Creation Date: 11/10/2014 13:20:14  
Receipt Date: 20140108  
Manifest ID: 010873648JJK  
Trans EPA ID: CAD003963592  
Trans Name: ECS REFINING  
Trans 2 EPA ID: CAR000188201  
Trans 2 Name: ENVIRONMENTAL RECOVERY SERVICES  
TSD EPA ID: CAD003963592  
Trans Name: ECS REFINING

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131007
Creation Date:	11/29/2013 22:15:14
Receipt Date:	20131016
Manifest ID:	011732545JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131007
Creation Date:	11/29/2013 22:15:14
Receipt Date:	20131016
Manifest ID:	011732545JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0759

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

Waste Quantity:	23
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131007
Creation Date:	11/29/2013 22:15:14
Receipt Date:	20131016
Manifest ID:	011732545JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	281 - Adhesives
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131007
Creation Date:	11/29/2013 22:15:14
Receipt Date:	20131016
Manifest ID:	011732545JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0066
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

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**GENERAL MONITORS (Continued)**

**S113799744**

Shipment Date: 20130715  
Creation Date: 11/10/2014 13:19:33  
Receipt Date: 20130719  
Manifest ID: 010873507JJK  
Trans EPA ID: CAD003963592  
Trans Name: ECS REFINING  
Trans 2 EPA ID: CAR000188201  
Trans 2 Name: ENVIRONMENTAL RECOVERY SERVICES  
TSDf EPA ID: CAD003963592  
Trans Name: ECS REFINING  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: D008  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.048  
Waste Quantity: 96  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2014  
Gen EPA ID: CAL000365457

Shipment Date: 20141014  
Creation Date: 1/2/2015 22:15:10  
Receipt Date: 20141022  
Manifest ID: 013125429JJK  
Trans EPA ID: CAR000172460  
Trans Name: ENVIRONMENTAL LOGISTICS INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD028409019  
Trans Name: CROSBY & OVERTON  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D002  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.033  
Waste Quantity: 10  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20141014  
Creation Date: 1/2/2015 22:15:10  
Receipt Date: 20141022

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GENERAL MONITORS (Continued)

S113799744

Manifest ID:	013125429JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.066
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141002
Creation Date:	12/31/2014 22:14:53
Receipt Date:	20141008
Manifest ID:	010873855JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000188201
Trans 2 Name:	ENVIRONMENTAL RECOVERY SERVICES
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.281
Waste Quantity:	562
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141002
Creation Date:	12/31/2014 22:14:53
Receipt Date:	20141008
Manifest ID:	010873855JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000188201
Trans 2 Name:	ENVIRONMENTAL RECOVERY SERVICES
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING



Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
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**GENERAL MONITORS (Continued)**

**S113799744**

TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: D008  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.0545  
Waste Quantity: 109  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20140515  
Creation Date: 9/22/2014 22:15:02  
Receipt Date: 20140612  
Manifest ID: 010873818JJK  
Trans EPA ID: CAD003963592  
Trans Name: ECS REFINING  
Trans 2 EPA ID: CAR000188201  
Trans 2 Name: ENVIRONMENTAL RECOVERY SERVICES  
TSDF EPA ID: CAD003963592  
Trans Name: ECS REFINING  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: D008  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.057  
Waste Quantity: 114  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

**Additional Info:**

Year: 2016  
Gen EPA ID: CAL000365457

Shipment Date: 20151124  
Creation Date: 2/8/2016 22:17:20  
Receipt Date: 20151202  
Manifest ID: 015033888JJK  
Trans EPA ID: CAR000172460  
Trans Name: ENVIRONMENTAL LOGISTICS INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD028409019  
Trans Name: CROSBY & OVERTON  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

RCRA Code: D001  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.025  
Waste Quantity: 50  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20151124  
Creation Date: 2/8/2016 22:17:20  
Receipt Date: 20151202  
Manifest ID: 015033888JJK  
Trans EPA ID: CAR000172460  
Trans Name: ENVIRONMENTAL LOGISTICS INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD028409019  
Trans Name: CROSBY & OVERTON  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0025  
Waste Quantity: 5  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20151124  
Creation Date: 2/8/2016 22:17:20  
Receipt Date: 20151202  
Manifest ID: 015033888JJK  
Trans EPA ID: CAR000172460  
Trans Name: ENVIRONMENTAL LOGISTICS INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD028409019  
Trans Name: CROSBY & OVERTON  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 141 - Off-specification, aged, or surplus inorganics  
RCRA Code: D002  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.02  
Waste Quantity: 40  
Quantity Unit: P  
Additional Code 1: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**GENERAL MONITORS (Continued)**

**S113799744**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151124
Creation Date:	2/8/2016 22:17:20
Receipt Date:	20151202
Manifest ID:	015033888JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151124
Creation Date:	2/4/2016 22:15:36
Receipt Date:	20151201
Manifest ID:	015033875JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151117
Creation Date:	3/2/2016 22:15:14

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

Receipt Date:	20151124
Manifest ID:	012868279JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEMS
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0475
Waste Quantity:	95
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151117
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151124
Manifest ID:	012868279JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEMS
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.171
Waste Quantity:	342
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150615
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150701
Manifest ID:	012868253JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEMS
TSDF EPA ID:	CAD003963592

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

Trans Name: ECS REFINING  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.142  
Waste Quantity: 284  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20150615  
Creation Date: 9/3/2015 22:15:34  
Receipt Date: 20150701  
Manifest ID: 012868253JJK  
Trans EPA ID: CAD003963592  
Trans Name: ECS REFINING  
Trans 2 EPA ID: CAR000175422  
Trans 2 Name: WORLDWIDE RECOVERY SYSTEMS  
TSDF EPA ID: CAD003963592  
Trans Name: ECS REFINING  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: D008  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.0495  
Waste Quantity: 99  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20150122  
Creation Date: 4/16/2015 22:14:56  
Receipt Date: 20150205  
Manifest ID: 012868317JJK  
Trans EPA ID: CAD003963592  
Trans Name: ECS REFINING  
Trans 2 EPA ID: CAR000188201  
Trans 2 Name: ENVIRONMENTAL RECOVERY SERVICES  
TSDF EPA ID: CAD003963592  
Trans Name: ECS REFINING  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

Quantity Tons: 0.1375  
Waste Quantity: 275  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2017  
Gen EPA ID: CAL000365457

Shipment Date: 20171205  
Creation Date: 8/10/2018 18:30:24  
Receipt Date: 20171213  
Manifest ID: 017380322JJK  
Trans EPA ID: CAR000172460  
Trans Name: ENVIRONMENTAL LOGISTICS INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD028409019  
Trans Name: CROSBY & OVERTON  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D002  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0125  
Waste Quantity: 25  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20171205  
Creation Date: 8/10/2018 18:30:24  
Receipt Date: 20171213  
Manifest ID: 017380322JJK  
Trans EPA ID: CAR000172460  
Trans Name: ENVIRONMENTAL LOGISTICS INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD028409019  
Trans Name: CROSBY & OVERTON  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.1  
Waste Quantity: 200  
Quantity Unit: P

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170928
Creation Date:	11/1/2018 18:30:19
Receipt Date:	20171101
Manifest ID:	017562020JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000188201
Trans 2 Name:	ENVIROSERV
TSDf EPA ID:	CAD003963592
Trans Name:	ECS REFINING
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170928
Creation Date:	11/1/2018 18:30:19
Receipt Date:	20171101
Manifest ID:	017562020JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000188201
Trans 2 Name:	ENVIROSERV
TSDf EPA ID:	CAD003963592
Trans Name:	ECS REFINING
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.067
Waste Quantity:	134
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170621

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

Creation Date: 7/19/2018 18:30:16  
Receipt Date: 20170628  
Manifest ID: 009532207JJK  
Trans EPA ID: CAD003963592  
Trans Name: ECS REFINING  
Trans 2 EPA ID: CAR000188201  
Trans 2 Name: ENVIROSERV  
TSDf EPA ID: CAD003963592  
Trans Name: ECS REFINING  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: D008  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.055  
Waste Quantity: 110  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20170621  
Creation Date: 7/19/2018 18:30:16  
Receipt Date: 20170628  
Manifest ID: 009532207JJK  
Trans EPA ID: CAD003963592  
Trans Name: ECS REFINING  
Trans 2 EPA ID: CAR000188201  
Trans 2 Name: ENVIROSERV  
TSDf EPA ID: CAD003963592  
Trans Name: ECS REFINING  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.1105  
Waste Quantity: 221  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20170220  
Creation Date: 5/18/2017 18:31:53  
Receipt Date: 20170222  
Manifest ID: 016464362JJK  
Trans EPA ID: CAR000172460  
Trans Name: ENVIRONMENTAL LOGISTICS, INC.  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

TSDF EPA ID: CAD028409019  
Trans Name: CROSBY & OVERTON  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.0025  
Waste Quantity: 5  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20170220  
Creation Date: 5/18/2017 18:31:53  
Receipt Date: 20170222  
Manifest ID: 016464362JJK  
Trans EPA ID: CAR000172460  
Trans Name: ENVIRONMENTAL LOGISTICS, INC.  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD028409019  
Trans Name: CROSBY & OVERTON  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D002  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.0175  
Waste Quantity: 35  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20170220  
Creation Date: 5/18/2017 18:32:20  
Receipt Date: 20170221  
Manifest ID: 016464363JJK  
Trans EPA ID: CAR000172460  
Trans Name: ENVIRONMENTAL LOGISTICS, INC.  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD982444481  
Trans Name: FILTER RECYCLING SERVICES, INC.  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.0175  
Waste Quantity: 35  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2012  
Gen EPA ID: CAL000365457

Shipment Date: 20120515  
Creation Date: 1/8/2014 11:51:57  
Receipt Date: 20120523  
Manifest ID: 008778639JJK  
Trans EPA ID: CAD003963592  
Trans Name: ECS REFINING  
Trans 2 EPA ID: CAR000188201  
Trans 2 Name: ENVIRONMENTAL RECOVERY SERVICES  
TSDf EPA ID: CAD003963592  
Trans Name: ECS REFINING  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No  
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.183  
Waste Quantity: 366  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20120515  
Creation Date: 1/8/2014 11:51:57  
Receipt Date: 20120523  
Manifest ID: 008778639JJK  
Trans EPA ID: CAD003963592  
Trans Name: ECS REFINING  
Trans 2 EPA ID: CAR000188201  
Trans 2 Name: ENVIRONMENTAL RECOVERY SERVICES  
TSDf EPA ID: CAD003963592  
Trans Name: ECS REFINING  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: D008  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No  
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0635  
Waste Quantity: 127

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GENERAL MONITORS (Continued)**

**S113799744**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120217
Creation Date:	4/19/2012 20:30:10
Receipt Date:	20120222
Manifest ID:	009502827JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D005
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02085
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120217
Creation Date:	4/19/2012 20:30:10
Receipt Date:	20120222
Manifest ID:	009502827JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

Shipment Date:	20120217
Creation Date:	4/19/2012 20:30:10
Receipt Date:	20120222
Manifest ID:	009502828JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120217
Creation Date:	4/10/2012 20:30:14
Receipt Date:	20120220
Manifest ID:	009502829JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120217
Creation Date:	4/19/2012 20:30:10
Receipt Date:	20120222
Manifest ID:	009502827JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GENERAL MONITORS (Continued)**

**S113799744**

Trans 2 Name: Not reported  
TSDf EPA ID: CAD028409019  
Trans Name: CROSBY & OVERTON  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.1815  
Waste Quantity: 55  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20120217  
Creation Date: 4/19/2012 20:30:10  
Receipt Date: 20120222  
Manifest ID: 009502827JJK  
Trans EPA ID: CAR000172460  
Trans Name: ENVIRONMENTAL LOGISTICS INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD028409019  
Trans Name: CROSBY & OVERTON  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 141 - Off-specification, aged, or surplus inorganics  
RCRA Code: D011  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.0025  
Waste Quantity: 5  
Quantity Unit: P  
Additional Code 1: D005  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2015  
Gen EPA ID: CAL000365457

Shipment Date: 20151124  
Creation Date: 2/8/2016 22:17:20  
Receipt Date: 20151202  
Manifest ID: 015033888JJK  
Trans EPA ID: CAR000172460  
Trans Name: ENVIRONMENTAL LOGISTICS INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD028409019  
Trans Name: CROSBY & OVERTON

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151124
Creation Date:	2/8/2016 22:17:20
Receipt Date:	20151202
Manifest ID:	015033888JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151124
Creation Date:	2/8/2016 22:17:20
Receipt Date:	20151202
Manifest ID:	015033888JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151124
Creation Date:	2/8/2016 22:17:20
Receipt Date:	20151202
Manifest ID:	01503388JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151124
Creation Date:	2/4/2016 22:15:36
Receipt Date:	20151201
Manifest ID:	015033875JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

Shipment Date:	20151117
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151124
Manifest ID:	012868279JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEMS
TSDf EPA ID:	CAD003963592
Trans Name:	ECS REFINING
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0475
Waste Quantity:	95
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151117
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151124
Manifest ID:	012868279JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEMS
TSDf EPA ID:	CAD003963592
Trans Name:	ECS REFINING
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.171
Waste Quantity:	342
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150615
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150701
Manifest ID:	012868253JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000175422



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

Trans 2 Name:	WORLDWIDE RECOVERY SYSTEMS
TSDf EPA ID:	CAD003963592
Trans Name:	ECS REFINING
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.142
Waste Quantity:	284
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150615
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150701
Manifest ID:	012868253JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEMS
TSDf EPA ID:	CAD003963592
Trans Name:	ECS REFINING
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0495
Waste Quantity:	99
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150122
Creation Date:	4/16/2015 22:14:56
Receipt Date:	20150205
Manifest ID:	012868317JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000188201
Trans 2 Name:	ENVIRONMENTAL RECOVERY SERVICES
TSDf EPA ID:	CAD003963592
Trans Name:	ECS REFINING
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GENERAL MONITORS (Continued)**

**S113799744**

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.1375  
Waste Quantity: 275  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

**CERS:**

Name: GENERAL MONITORS INC  
Address: 26776 SIMPATICA CIR  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 119147  
CERS ID: 92630GNRLM26776  
CERS Description: Toxic Release Inventory

**Affiliation:**

Affiliation Type Desc: Public Contact  
Entity Name: DEON NUNGARAY  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: 9495819550

Affiliation Type Desc: Technical Contact  
Entity Name: DEON NUNGARAY  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: 9492689550

Affiliation Type Desc: Company Official  
Entity Name: Mark Pears  
Entity Title: Plant Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Name: GENERAL MONITORS  
Address: 26776 SIMPATICA CIR  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 413349  
CERS ID: 10546522  
CERS Description: Chemical Storage Facilities

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GENERAL MONITORS (Continued)**

**S113799744**

Violations:

Site ID: 413349  
Site Name: GENERAL MONITORS  
Violation Date: 6/9/2014  
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)  
Violation Description: 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.  
Violation Notes: Returned to compliance on 06/09/2014. The solder dross drum in the solder flow room and satellite container storing paste jars/wipes in the Surface Mount Technology area were not labeled. The drum and container were labeled during the inspection. This violation was corrected during the inspection.  
Violation Division: Orange County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 413349  
Site Name: GENERAL MONITORS  
Violation Date: 6/9/2014  
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)  
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.  
Violation Notes: Returned to compliance on 05/27/2015. Bills of lading for universal waste are not available for review. Please obtain copies of bills of lading for the universal waste.  
Violation Division: Orange County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Evaluation:

Eval General Type: Other/Unknown  
Eval Date: 02-27-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted to E-submit on 2/17/15 have been reviewed and declined with the following considerations: Carbon Monoxide in Air: This material is reported as a G mixture. G However 100% Carbon Monoxide in Air is listed as the Hazardous Component section. This appears incorrect since the material is a mixture of carbon monoxide and air. Therefore at a minimum, %WT and CAS# (630-08-8) for carbon monoxide must be listed in the Hazardous Component section at the bottom of the form. Ethylene in Nitrogen: CAS# listed for nitrogen (7727-37-974-85-1) in Hazardous Component section is incorrect and must be changed to 7727-37-9.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-03-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

Eval Notes: Documents submitted have been reviewed and declined due to error made by this Agency in last review. Please correct/change CAS# for Carbon Monoxide on Carbon Monoxide in Air form, from 630-08-8 to 630-08-0.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-09-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct routine hazardous waste inspection. Kenn Ramas granted consent to conduct inspection. I walked through the facility, perimeter and inspected waste storage areas. I did not observe any hazardous waste in trash cans or municipal trash. The recovery still unit that generated solder flux waste is not in use since the facility has purchased a new wave solder machine that does not generate solder flux waste. Solder paste jars/wipes drum is stored closed and labeled. The solder waste drum in the flow solder room is stored closed and was labeled during inspection. Waste ink containers in the ampoule room and storage shed are stored closed and labeled. The satellite container storing paste jars/wipes in the Surface Mount Technology area was labeled during the inspection. Manifests for the hazardous waste were reviewed. Bills of lading for universal waste are not available for review. Please obtain copies of bills of lading for the universal waste. [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-15-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Kenn Ramas granted consent to conduct inspection. I walked through the facility and inspected hazardous material storage areas inside and in locked sheds outside building. There has been no changes in types and/or volumes of the hazardous material stored on site since last inspection or previous reporting period, except for Hexane gas. Volume of Hexane gas must be verified and reported if there is 200 cubic feet or more of this material stored on site. G Hazardous Materials Site MapG must be revised as follows and resubmitted: - Locations of the fire hydrants located to the north and west of the building must be shown/clearly marked. - Flammable Gas shed located in the back/north of the building must be shown/clearly marked. - Locations of the side by side flammable and non-flammable sheds are shown in reverse on map. Training in hazardous materials management [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-15-2017  
Violations Found: No  
Eval Type: Routine done by local agency

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GENERAL MONITORS (Continued)**

**S113799744**

Eval Notes: On site to conduct routine hazardous waste inspection. Kenn Ramas granted consent to conduct inspection. I walked through the facility, perimeter and inspected waste storage areas throughout the facility, including the locked shed outside building. I did not observe any hazardous waste in trash cans throughout the facility or in municipal trash. All waste drums and containers are stored closed and labeled properly. Manifests could not be reviewed since safety coordinator that maintains them was not on site. Manifests will be provided within 72 hours of this inspection. Phone lists with safety coordinatorG s information are by phones mounted on wall throughout facility.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-19-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: On site to review manifest that were not available during routine inspection conducted on 6/15/17. Met with Dean Nungaray and reviewed manifests.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-21-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct routine hazardous waste inspection. I walked through the facility, perimeter and inspected waste storage areas throughout the facility, including the locked shed outside building. I did not observe any hazardous waste in trash cans throughout the facility or in municipal trash. All waste drums and containers inside building are stored closed and labeled. Manifests were reviewed. Phone lists with safety coordinatorG s information are by phones mounted on wall throughout facility.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-18-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Went to site for follow up inspection to review universal waste manifests, that were not available on site during the routine inspection conducted on 6/9/14, and correct the outstanding violation W038, regarding manifests not being available for review. Facility contacts were not on site.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-17-2015  
Violations Found: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted to E-submit on 1/26/15 were reviewed and declined with the following considerations: Carbon Monoxide in Air: CAS# for G AirG at 100% (WT) is listed in the Hazardous Component section. This appears incorrect since the material is reported as a mixture that contains carbon monoxide. Therefore, the %WT for each material and CAS# for carbon monoxide must be also be listed in the Hazardous Component section. Ethane in Air: CAS# listed below the G Common NameG at the top of the form should be removed since this is not a G pureG material. Ethylene in Nitrogen: CAS# listed below the G Common NameG at the top of the form should be removed since this is not a G pureG material. Also, rather than two separate lines, the total %WT 92.8) for ethylene should be listed in the Hazardous Component section. Hydrogen in Air: CAS# listed below the G Common NameG at the top of the form should be removed since this is not a G pureG material. Hydrogen Sulfide: The box [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-04-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted to E-submit on 3/3/15 were reviewed and accepted.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-12-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct routine hazardous waste inspection. Deon Nungaray granted consent to conduct inspection. I walked through the facility, perimeter and inspected waste storage areas throughout the facility. I did not observe any hazardous waste in trash cans throughout the shop. All waste containers are stored closed and labeled properly. Manifests were reviewed. Emergency contact information is posted throughout the facility.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-27-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct routine hazardous waste inspection. Dion Nungaray granted consent to conduct inspection. I walked through the facility, perimeter and inspected waste storage areas. I did not observe any hazardous waste in trash cans throughout the shop. All waste containers are stored closed and labeled properly. Manifests were reviewed. Facility is generating lower volume of waste due to new equipment. Emergency contact information is posted throughout the facility.

Eval Division: Orange County Environmental Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-09-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. I walked through the facility and inspected hazardous materials storage area. The facility has hazardous materials (compressed gases) that meet the required disclosure quantities. All required documents are being electronically submitted to E-submit.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-27-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted revised site map submitted to CERS on 6/22/17 with the following comment: Locations of the side by side flammable and non-flammable sheds (quadrants J & K) are shown in reverse on map. Please update map in next submission.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-15-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Started reviewing documents in E-submit.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-16-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted on 7/31/14 have been reviewed and declined with the following considerations: Argon and Helium are not reportable since the total volume stored on site is not equal to or greater than 1000 cubic feet and should be removed. Benzene is not reportable since the total volume stored on site is not equal to or greater than 55 gallons and should be removed. Carbon Monoxide in Air: The G Common NameG should be changed from G Carbon MonoxideG to G Carbon Monoxide in AirG since this is not pure Carbon Dioxide. The CAS# listed at the top of the form under G Common NameG must be removed since this is not a G pureG material. One of the carbon monoxide entries under the G %WTG in the Hazardous Component section must be removed and G AirG be added in that section. CAS# 132259-10-0 should be used for compressed air. Carbon Dioxide in Nitrogen: The G Common NameG should be changed from G Carbon DioxideG to G Carbon Dioxide in NitrogenG since this is not pure Carbon [Truncated]

Eval Division: Orange County Environmental Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GENERAL MONITORS (Continued)**

**S113799744**

Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 01-23-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed multiple annual certification documents submitted to CERS on 1/12/17. Compared material to data in E-submit. Hazardous Materials Inventory was not accepted since Fire Code Hazard Classes were not listed on forms.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-29-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted annual certification documents submitted to CERS on 2/10/16.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-13-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Deon Nungaray, Operations Automation Eng. / Safety Coordinator, had emailed a copy of the HMBP documents that was submitted to OCFA, to determine which chemicals need to be reported. I reviewed it briefly and emailed him back with chemicals that do not need to be reported.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-27-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Violation W038 cited during routine inspection conducted on 6/9/14, regarding bill of lading for universal waste not being available on site, was voided since the facility is a conditionally exempt small quantity universal generator.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-20-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed revised hazardous materials inventory documents submitted to CERS on 6/19/17. It was not accepted with the following considerations: Based on observation made during onsite inspection conducted by this agency on 6/15/17, G Hazardous Materials Site MapG



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GENERAL MONITORS (Continued)

S113799744

must be revised as follows and resubmitted: - Locations of the fire hydrants located to the north and west of the building must be shown/clearly marked. - Flammable Gas shed located in the back/north of the building must be shown/clearly marked. - Locations of the side by side flammable and non-flammable sheds are shown in reverse on map.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Affiliation:

Affiliation Type Desc: CUPA District  
Entity Name: Orange County Env Health  
Entity Title: Not reported  
Affiliation Address: 1241 East Dyer Road Suite 120  
Affiliation City: Santa Ana  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92705-5611  
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Legal Owner  
Entity Name: MINE SAFETY APPLIANCE (MSA)  
Entity Title: Not reported  
Affiliation Address: 1000 Cranberry ave.  
Affiliation City: CRANBERRY TOWNSHIP  
Affiliation State: PA  
Affiliation Country: United States  
Affiliation Zip: 16066  
Affiliation Phone: (724) 776-8600

Affiliation Type Desc: Parent Corporation  
Entity Name: GENERAL MONITORS  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 26776 SIMPATICA CIR  
Affiliation City: LAKE FOREST  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer  
Entity Name: DEON NUNGARAY  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GENERAL MONITORS (Continued)**

**S113799744**

Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Deon Nungaray  
Entity Title: Not reported  
Affiliation Address: 26776 SIMPATICA CIRCLE  
Affiliation City: LAKE FOREST  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: GENERAL MONITORS  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (949) 581-4464

Affiliation Type Desc: Identification Signer  
Entity Name: Deon Nungaray  
Entity Title: Safety Coordinator  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

**HWTS:**

Name: GENERAL MONITORS  
Address: 26776 SIMPATICA CIR  
Address 2: Not reported  
City,State,Zip: LAKE FOREST, CA 926308101  
EPA ID: CAL000365457  
Inactive Date: Not reported  
Create Date: 07/08/2011  
Last Act Date: 07/15/2020  
Mailing Name: Not reported  
Mailing Address: 26776 SIMPATICA CIR  
Mailing Address 2: Not reported  
Mailing City,State,Zip: LAKE FOREST, CA 926308101  
Owner Name: MINE SAFETY APPLIANCE  
Owner Address: 1000 CRANBERRY WOODS DR  
Owner Address 2: Not reported  
Owner City,State,Zip: CRANBERRY TOWNSHIP, PA 160665207  
Contact Name: DEON NUNGARAY  
Contact Address: 26776 SIMPATICA CIR  
Contact Address 2: Not reported  
City,State,Zip: LAKE FOREST, CA 92630

**NAICS:**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GENERAL MONITORS (Continued)**

**S113799744**

EPA ID: CAL000365457  
 Create Date: 2011-07-08 09:21:14.850  
 NAICS Code: 334513  
 NAICS Description: Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables  
 Issued EPA ID Date: 2011-07-08 09:21:14.83300  
 Inactive Date: Not reported  
 Facility Name: GENERAL MONITORS  
 Facility Address: 26776 SIMPATICA CIR  
 Facility Address 2: Not reported  
 Facility City: LAKE FOREST  
 Facility County: Not reported  
 Facility State: CA  
 Facility Zip: 926308101

**E22**  
**SE**  
**1/8-1/4**  
**0.165 mi.**  
**869 ft.**

**GENERAL MONITORS**  
**26776 SIMPATICA CIR**  
**LAKE FOREST, CA 92630**

**RCRA NonGen / NLR**

**1024830437**  
**CAL000365457**

**Site 3 of 3 in cluster E**

**Relative:**  
**Higher**  
**Actual:**  
**768 ft.**

RCRA NonGen / NLR:  
 Date Form Received by Agency: 2011-07-08 00:00:00.0  
 Handler Name: GENERAL MONITORS  
 Handler Address: 26776 SIMPATICA CIR  
 Handler City,State,Zip: LAKE FOREST, CA 92630-8101  
 EPA ID: CAL000365457  
 Contact Name: DEON NUNGARAY  
 Contact Address: 26776 SIMPATICA CIR  
 Contact City,State,Zip: LAKE FOREST, CA 92630  
 Contact Telephone: 949-268-9550  
 Contact Fax: 949-581-1528  
 Contact Email: DEONN@GENERALMONITORS.COM  
 Contact Title: Not reported  
 EPA Region: 09  
 Land Type: Not reported  
 Federal Waste Generator Description: Not a generator, verified  
 Non-Notifier: Not reported  
 Biennial Report Cycle: Not reported  
 Accessibility: Not reported  
 Active Site Indicator: Handler Activities  
 State District Owner: Not reported  
 State District: Not reported  
 Mailing Address: 26776 SIMPATICA CIR  
 Mailing City,State,Zip: LAKE FOREST, CA 92630-8101  
 Owner Name: MINE SAFETY APPLIANCE  
 Owner Type: Other  
 Operator Name: DEON NUNGARAY  
 Operator Type: Other  
 Short-Term Generator Activity: No  
 Importer Activity: No  
 Mixed Waste Generator: No  
 Transporter Activity: No  
 Transfer Facility Activity: No  
 Recycler Activity with Storage: No  
 Small Quantity On-Site Burner Exemption: No  
 Smelting Melting and Refining Furnace Exemption: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GENERAL MONITORS (Continued)**

**1024830437**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 16:59:19.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

**Handler - Owner Operator:**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MINE SAFETY APPLIANCE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1000 CRANBERRY WOODS DR
Owner/Operator City,State,Zip:	CRANBERRY TOWNSHIP, PA 16066-5207

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GENERAL MONITORS (Continued)**

**1024830437**

Owner/Operator Telephone: 724-776-8600  
 Owner/Operator Telephone Ext: Not reported  
 Owner/Operator Fax: Not reported  
 Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
 Owner/Operator Name: DEON NUNGARAY  
 Legal Status: Other  
 Date Became Current: Not reported  
 Date Ended Current: Not reported  
 Owner/Operator Address: 26776 SIMPATICA CIR  
 Owner/Operator City,State,Zip: LAKE FOREST, CA 92630  
 Owner/Operator Telephone: 949-268-9550  
 Owner/Operator Telephone Ext: Not reported  
 Owner/Operator Fax: Not reported  
 Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2011-07-08 00:00:00.0  
 Handler Name: GENERAL MONITORS  
 Federal Waste Generator Description: Not a generator, verified  
 State District Owner: Not reported  
 Large Quantity Handler of Universal Waste: No  
 Recognized Trader Importer: No  
 Recognized Trader Exporter: No  
 Spent Lead Acid Battery Importer: No  
 Spent Lead Acid Battery Exporter: No  
 Current Record: Yes  
 Non Storage Recycler Activity: Not reported  
 Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 334513  
 NAICS Description: INSTRUMENTS AND RELATED PRODUCTS MANUFACTURING FOR MEASURING, DISPLAYING, AND CONTROLLING INDUSTRIAL PROCESS VARIABLES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**F23**  
**East**  
**1/8-1/4**  
**0.193 mi.**  
**1021 ft.**

**ZINCINATION INC DBA FOOTHILL SANBLASTING**  
**26881 VISTA TERRACE**  
**LAKE FOREST, CA 92630**  
**Site 1 of 6 in cluster F**

**CERS HAZ WASTE** **S113087878**  
**HAZNET** **N/A**  
**CERS**  
**HWTS**

**Relative:**  
**Higher**  
**Actual:**  
**774 ft.**

CERS HAZ WASTE:  
 Name: SADDLEBACK VLY ORANAMENTAL IRON INC  
 Address: 26881 VISTA TERRACE  
 City,State,Zip: LAKE FOREST, CA 92630  
 Site ID: 413612  
 CERS ID: 10717657  
 CERS Description: Hazardous Waste Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ZINCINATION INC DBA FOOTHILL SANBLASTING (Continued)

S113087878

HAZNET:

Name: ZINCINATION INC DBA FOOTHILL SANBLASTING  
Address: 26881 VISTA TERRACE  
Address 2: Not reported  
City,State,Zip: LAKE FOREST, CA 926300000  
Contact: WHITNEY BLAKESLEE/OWNER  
Telephone: --  
Mailing Name: Not reported  
Mailing Address: 26881 VISTA TER

Year: 2002  
Gepaid: CAL000167586  
TSD EPA ID: NVT330010000  
CA Waste Code: 181 - Other inorganic solid waste  
Disposal Method: D80 - Disposal, Land Fill  
Tons: 42.5

Year: 2001  
Gepaid: CAL000167586  
TSD EPA ID: NVT330010000  
CA Waste Code: 181 - Other inorganic solid waste  
Disposal Method: -  
Tons: 14.3276

Year: 2001  
Gepaid: CAL000167586  
TSD EPA ID: NVT330010000  
CA Waste Code: 181 - Other inorganic solid waste  
Disposal Method: D80 - Disposal, Land Fill  
Tons: 71.1968

Year: 2000  
Gepaid: CAL000167586  
TSD EPA ID: NVT330010000  
CA Waste Code: 181 - Other inorganic solid waste  
Disposal Method: D80 - Disposal, Land Fill  
Tons: 34.7708

Additional Info:

Year: 2002  
Gen EPA ID: CAL000167586

Shipment Date: 20020315  
Creation Date: 7/22/2002 18:32:38  
Receipt Date: 20020326  
Manifest ID: 21529159  
Trans EPA ID: CAL931024038  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSD EPA ID: NVT330010000  
Trans Name: Not reported  
TSD Ait EPA ID: Not reported  
TSD Ait Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZINCINATION INC DBA FOOTHILL SANBLASTING (Continued)**

**S113087878**

RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	12
Waste Quantity:	24000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020315
Creation Date:	7/22/2002 18:32:38
Receipt Date:	20020327
Manifest ID:	21529160
Trans EPA ID:	CAL931024038
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	12
Waste Quantity:	24000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020315
Creation Date:	7/10/2002 18:30:49
Receipt Date:	20020329
Manifest ID:	21529161
Trans EPA ID:	CAL931024038
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	6
Waste Quantity:	12000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZINCINATION INC DBA FOOTHILL SANBLASTING (Continued)**

**S113087878**

Additional Code 5:	Not reported
Shipment Date:	20020315
Creation Date:	7/22/2002 18:32:38
Receipt Date:	20020319
Manifest ID:	21529162
Trans EPA ID:	CAL931024038
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVT330010000
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020315
Creation Date:	7/10/2002 18:30:49
Receipt Date:	20020329
Manifest ID:	21529163
Trans EPA ID:	CAL931024038
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVT330010000
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	4
Waste Quantity:	8000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020315
Creation Date:	7/22/2002 18:32:38
Receipt Date:	20020319
Manifest ID:	21529171
Trans EPA ID:	CAL931024038
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZINCINATION INC DBA Foothill Sanblasting (Continued)**

**S113087878**

Trans 2 Name: Not reported  
TSDf EPA ID: NVT330010000  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: D80 - Disposal, Land Fill  
Quantity Tons: 3  
Waste Quantity: 6000  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20020111  
Creation Date: 6/7/2002 18:30:54  
Receipt Date: 20020121  
Manifest ID: 21333573  
Trans EPA ID: CAL931024038  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVT330010000  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: D80 - Disposal, Land Fill  
Quantity Tons: 3.5  
Waste Quantity: 7000  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:  
Year: 2000  
Gen EPA ID: CAL000167586

Shipment Date: 20001114  
Creation Date: 1/12/2001 0:00:00  
Receipt Date: 20001122  
Manifest ID: 20422881  
Trans EPA ID: CAL931024038  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVT330010000  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZINCINATION INC DBA Foothill Sanblasting (Continued)**

**S113087878**

Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: D80 - Disposal, Land Fill  
Quantity Tons: 13.5  
Waste Quantity: 27000  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20001114  
Creation Date: 3/5/2001 0:00:00  
Receipt Date: 20001128  
Manifest ID: 98585204  
Trans EPA ID: CAL981024038  
Trans Name: Not reported  
Trans 2 EPA ID: CAD981634116  
Trans 2 Name: Not reported  
TSDf EPA ID: NVT330010000  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: D80 - Disposal, Land Fill  
Quantity Tons: 12  
Waste Quantity: 24000  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20000929  
Creation Date: 12/8/2000 0:00:00  
Receipt Date: 20001005  
Manifest ID: 20418364  
Trans EPA ID: CAL931024038  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVT330010000  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: D80 - Disposal, Land Fill  
Quantity Tons: 9.2708  
Waste Quantity: 11  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZINCINATION INC DBA FOOTHILL SANBLASTING (Continued)**

**S113087878**

Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2001  
Gen EPA ID: CAL000167586

Shipment Date: 20010917  
Creation Date: 11/1/2001 0:00:00  
Receipt Date: Not reported  
Manifest ID: 21044543  
Trans EPA ID: CAL931024038  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVT330010000  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: - Not reported  
Quantity Tons: 3.3712  
Waste Quantity: 4  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010917  
Creation Date: 11/1/2001 0:00:00  
Receipt Date: Not reported  
Manifest ID: 21044542  
Trans EPA ID: CAL931024038  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVT330010000  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: - Not reported  
Quantity Tons: 3.3712  
Waste Quantity: 4  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010917  
Creation Date: 11/1/2001 0:00:00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZINCINATION INC DBA Foothill Sanblasting (Continued)**

**S113087878**

Receipt Date: Not reported  
Manifest ID: 21044545  
Trans EPA ID: CAL931024038  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVT330010000  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: - Not reported  
Quantity Tons: 4.214  
Waste Quantity: 5  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010917  
Creation Date: 11/1/2001 0:00:00  
Receipt Date: Not reported  
Manifest ID: 21044544  
Trans EPA ID: CAL931024038  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVT330010000  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: - Not reported  
Quantity Tons: 3.3712  
Waste Quantity: 4  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010724  
Creation Date: 10/3/2001 0:00:00  
Receipt Date: 20010803  
Manifest ID: 21035937  
Trans EPA ID: CAL931024038  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVT330010000  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZINCINATION INC DBA Foothill Sanblasting (Continued)**

**S113087878**

TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: D80 - Disposal, Land Fill  
Quantity Tons: 2  
Waste Quantity: 4000  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010724  
Creation Date: 10/1/2001 0:00:00  
Receipt Date: 20010727  
Manifest ID: 21035936  
Trans EPA ID: CAL931024038  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVT330010000  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: D80 - Disposal, Land Fill  
Quantity Tons: 22  
Waste Quantity: 44000  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010531  
Creation Date: 7/30/2001 0:00:00  
Receipt Date: 20010604  
Manifest ID: 20950309  
Trans EPA ID: CAL931024038  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVT330010000  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: D80 - Disposal, Land Fill  
Quantity Tons: 3.3712  
Waste Quantity: 4  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZINCINATION INC DBA Foothill Sanblasting (Continued)**

**S113087878**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010531
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010608
Manifest ID:	20950308
Trans EPA ID:	CAL931024038
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVT330010000
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	4.214
Waste Quantity:	5
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010531
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010604
Manifest ID:	20950305
Trans EPA ID:	CAL931024038
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVT330010000
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	4.214
Waste Quantity:	5
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010531
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010604
Manifest ID:	20950307
Trans EPA ID:	CAL931024038

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZINCINATION INC DBA Foothill Sanblasting (Continued)**

**S113087878**

Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVT330010000  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Meth Code: D80 - Disposal, Land Fill  
Quantity Tons: 3.3712  
Waste Quantity: 4  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

**CERS:**

Name: SADDLEBACK VLY ORANAMENTAL IRON INC  
Address: 26881 VISTA TERRACE  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 413612  
CERS ID: 10717657  
CERS Description: Chemical Storage Facilities

**Evaluation:**

Eval General Type: Other/Unknown  
Eval Date: 02-24-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Accepted annual certification documents submitted to E-submit on 2/18/16.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-23-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Saddleback Vly Ornamental Iron Inc. 26881 Vista Terrace Lake Forest, CA 92630 (949) 830-9153 On site to conduct new hazardous materials chemical inventory and business emergency plan inspection. I walked through the facility and inspected hazardous materials storage area. The facility has the hazardous materials that meet the required disclosure quantities. Facility conducts employee training and maintains records of topics covered and employees trained. Records are maintained at 26891 Vista Terrace. All required documents have been electronically submitted to E-submit and will be reviewed for approval by this Agency.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ZINCINATION INC DBA Foothill Sanblasting (Continued)

S113087878

Eval Date: 07-25-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Tom Buchanan granted consent to conduct inspection. I walked through the facility and inspected hazardous material storage areas inside building. Propane cylinders are chained to wall and oxygen cylinders are in an cage/enclosure. There has been no changes in types and/or volumes of the hazardous material stored on site since last inspection or previous reporting period. Updated site map showing hazardous waste drums/boxes inside building was submitted to CERS during inspection. Business Emergency Plan and disclosure information is available electronically. Inventory forms were corrected during inspection. Hazardous materials management training is provided annually. Employee training records with topics covered are available for review. Site map with evacuation routes are posted throughout facility. Emergency contact information is posted on a board [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 01-03-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Received email from facility contact, Tom Buchanan indicating that two CERS ID#s with same address are assigned to his businesses. I looked in CERS. CERS ID#s were for different addresses. I emailed a copy of Business Activities form for CERS ID# 10540471 with this site's address to him. I also mentioned that the Fire Code Hazard Classes were not transferred from E-submit and for him to add them to inventory forms.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-25-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted documents submitted to CERS on 7/25/17 that included updated map showing location of hazardous waste inside building.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Affiliation:  
Affiliation Type Desc: Environmental Contact  
Entity Name: Tom Buchanan  
Entity Title: Not reported  
Affiliation Address: 26891 vista terrace  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZINCINATION INC DBA Foothill Sanblasting (Continued)**

**S113087878**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	SADDLEBACK VLY ORNAMENTAL IRON INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Tom Buchanan
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Tom Buchanan
Entity Title:	Shop Mgr.
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	SADDLEBACK VLY ORNAMENTAL IRON INC
Entity Title:	Not reported
Affiliation Address:	26891 VISTA TERRACE
Affiliation City:	Lake Forest
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92630
Affiliation Phone:	(949) 830-9513
Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	26891 VISTA TERRACE
Affiliation City:	LAKE FOREST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ZINCINATION INC DBA Foothill Sanblasting (Continued)**

**S113087878**

Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported  
  
Affiliation Type Desc: Operator  
Entity Name: Saddleback Valley Ornamental Iron Inc.  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (949) 830-9513

**HWTS:**

Name: ZINCINATION INC DBA Foothill Sanblasting  
Address: 26881 Vista Terrace  
Address 2: Not reported  
City,State,Zip: LAKE FOREST, CA 926300000  
EPA ID: CAL000167586  
Inactive Date: 06/30/2001  
Create Date: 05/04/1995  
Last Act Date: 10/21/2003  
Mailing Name: Not reported  
Mailing Address: 26881 Vista Ter  
Mailing Address 2: Not reported  
Mailing City,State,Zip: LAKE FOREST, CA 926300000  
Owner Name: WHITNER BLAKESLEE  
Owner Address: --  
Owner Address 2: Not reported  
Owner City,State,Zip: --, 99 --  
Contact Name: WHITNEY BLAKESLEE/OWNER  
Contact Address: --  
Contact Address 2: Not reported  
City,State,Zip: --, 99 --

**F24**  
**East**  
**1/8-1/4**  
**0.193 mi.**  
**1021 ft.**

**MERCEDES AND BMW REPAIR**  
**26881 VISTA TERRANCE**  
**LAKE FOREST, CA 92630**

**RCRA NonGen / NLR** **1024858483**  
**CAL000424631**

**Site 2 of 6 in cluster F**

**Relative:**  
**Higher**  
**Actual:**  
**774 ft.**

RCRA NonGen / NLR:  
Date Form Received by Agency: 2017-02-01 00:00:00.0  
Handler Name: MERCEDES AND BMW REPAIR  
Handler Address: 26881 VISTA TERRANCE  
Handler City,State,Zip: LAKE FOREST, CA 92630  
EPA ID: CAL000424631  
Contact Name: BLAKE BAKER  
Contact Address: 22052 BELLCROFT DR  
Contact City,State,Zip: LAKE FOREST, CA 92630  
Contact Telephone: 949-830-3411  
Contact Fax: 949-859-5900  
Contact Email: EPA@MERCEDESBMWSHOP.COM  
Contact Title: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MERCEDES AND BMW REPAIR (Continued)**

**1024858483**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	26881 VISTA TERRANCE
Mailing City,State,Zip:	LAKE FOREST, CA 92630
Owner Name:	BLAKE BAKER
Owner Type:	Other
Operator Name:	BLAKE BAKER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRC Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MERCEDES AND BMW REPAIR (Continued)**

**1024858483**

Significant Non-Complier Universe: No  
Unaddressed Significant Non-Complier Universe: No  
Addressed Significant Non-Complier Universe: No  
Significant Non-Complier With a Compliance Schedule Universe: No  
Financial Assurance Required: Not reported  
Handler Date of Last Change: 2018-09-07 19:35:36.0  
Recognized Trader-Importer: No  
Recognized Trader-Exporter: No  
Importer of Spent Lead Acid Batteries: No  
Exporter of Spent Lead Acid Batteries: No  
Recycler Activity Without Storage: No  
Manifest Broker: No  
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Owner  
Owner/Operator Name: BLAKE BAKER  
Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 22052 BELLCROFT DR  
Owner/Operator City,State,Zip: LAKE FOREST, CA 92630  
Owner/Operator Telephone: 949-830-3411  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: BLAKE BAKER  
Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 22052 BELLCROFT DR  
Owner/Operator City,State,Zip: LAKE FOREST, CA 92630  
Owner/Operator Telephone: 949-830-3411  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2017-02-01 00:00:00.0  
Handler Name: MERCEDES AND BMW REPAIR  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 811111

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MERCEDES AND BMW REPAIR (Continued)**

**1024858483**

NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:  
 Violations: No Violations Found

Evaluation Action Summary:  
 Evaluations: No Evaluations Found

**G25**  
**SSW**  
**1/8-1/4**  
**0.200 mi.**  
**1054 ft.**

**BEACON BAY CAR WASH**  
**20602 LAKE FOREST**  
**LAKE FOREST, CA 92630**

**Site 1 of 7 in cluster G**

**LUST** **S105774228**  
**Cortese** **N/A**  
**CERS**

**Relative:**  
**Lower**  
**Actual:**  
**701 ft.**

ORANGE CO. LUST:  
 Name: BEACON BAY CAR WASH  
 Address: 20602 LAKE FOREST DR  
 City,State,Zip: LAKE FOREST, CA 92630  
 Region: ORANGE  
 Facility Id: 02UT003  
 Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded  
 Date Closed: 09/12/2002  
 Record ID: RO0003032

LUST REG 8:

Name: BEACON BAY CAR WASH  
 Address: 20602 LAKE FOREST  
 City: LAKE FOREST  
 Region: 8  
 County: Orange  
 Regional Board: Santa Ana Region  
 Facility Status: Case Closed  
 Case Number: 083003899T  
 Local Case Num: 02UT003  
 Case Type: Undefined  
 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: T0605999998  
 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: 9/12/2002  
 Date Prelim Assessment Workplan Submitted: Not reported  
 Date Pollution Characterization Began: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON BAY CAR WASH (Continued)**

**S105774228**

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: 33.662755  
Longitude: -117.667306  
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: NOM  
Staff Initials: JS  
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

**LUST:**

Name: BEACON BAY CAR WASH  
Address: 20602 LAKE FOREST  
City,State,Zip: LAKE FOREST, CA 92630  
Lead Agency: ORANGE COUNTY LOP  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0605999998](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605999998)  
Global Id: T0605999998  
Latitude: 33.663041  
Longitude: -117.666454  
Status: Completed - Case Closed  
Status Date: 09/12/2002  
Case Worker: KL  
RB Case Number: 083003899T  
Local Agency: ORANGE COUNTY LOP  
File Location: Local Agency  
Local Case Number: 02UT003  
Potential Media Affect: Under Investigation  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**LUST:**

Global Id: T0605999998  
Contact Type: Local Agency Caseworker  
Contact Name: GENIECE HIGGINS  
Organization Name: ORANGE COUNTY LOP  
Address: 1241 EAST DYER ROAD SUITE 120

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON BAY CAR WASH (Continued)**

**S105774228**

City: SANTA ANA  
Email: ghiggins@ochca.com  
Phone Number: 7144336260  
  
Global Id: T0605999998  
Contact Type: Local Agency Caseworker  
Contact Name: KEVIN LAMBERT  
Organization Name: ORANGE COUNTY LOP  
Address: 1241 E DYER ROAD SUITE 120  
City: SANTA ANA  
Email: klambert@ochca.com  
Phone Number: 7144336261

**LUST:**

Global Id: T0605999998  
Action Type: ENFORCEMENT  
Date: 07/31/2020  
Action: Historic Files

Global Id: T0605999998  
Action Type: ENFORCEMENT  
Date: 09/12/2002  
Action: Closure/No Further Action Letter

**LUST:**

Global Id: T0605999998  
Status: Completed - Case Closed  
Status Date: 09/12/2002

Global Id: T0605999998  
Status: Open - Case Begin Date  
Status Date: 09/12/2002

**CORTESE:**

Name: BEACON BAY CAR WASH  
Address: 20602 LAKE FOREST  
City,State,Zip: LAKE FOREST, CA 92630  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0605999998  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON BAY CAR WASH (Continued)**

**S105774228**

Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Active Open

**CERS:**

Name: BEACON BAY CAR WASH  
Address: 20602 LAKE FOREST  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 233682  
CERS ID: T0605999998  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: JAMES STROZIER - ORANGE COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 1241 E. DYER ROAD SUITE 120  
Affiliation City: SANTA ANA  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 7144336273

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: KEVIN LAMBERT - ORANGE COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 1241 E DYER ROAD SUITE 120  
Affiliation City: SANTA ANA  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 7144336261

**G26**  
**SSW**  
**1/8-1/4**  
**0.200 mi.**  
**1054 ft.**

**BEACON BAY FOOTHILL**  
**20602 LAKE FOREST DR**  
**LAKE FOREST, CA 92630**  
**Site 2 of 7 in cluster G**

**UST U003879615**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**701 ft.**

**UST:**  
Name: BEACON BAY FOOTHILL  
Address: 20602 LAKE FOREST DR  
City,State,Zip: LAKE FOREST, CA 92630  
Facility ID: 19793  
Permitting Agency: ORANGE COUNTY  
Latitude: 33.664311  
Longitude: -117.665085



MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**G27**  
**SSW**  
**1/8-1/4**  
**0.200 mi.**  
**1054 ft.**

**CAR WASH EXPRESS**  
**20602 LAKE FOREST DR**  
**EL TORO, CA 92630**

**SWEEPS UST**    **S101589521**  
**CA FID UST**    **N/A**

**Site 3 of 7 in cluster G**

**Relative:**  
**Lower**  
**Actual:**  
**701 ft.**

**SWEEPS UST:**

Name: CAR WASH EXPRESS  
 Address: 20602 LAKE FOREST DR  
 City: EL TORO  
 Status: Not reported  
 Comp Number: 12655  
 Number: Not reported  
 Board Of Equalization: Not reported  
 Referral Date: Not reported  
 Action Date: Not reported  
 Created Date: Not reported  
 Owner Tank Id: Not reported  
 SWRCB Tank Id: 30-000-012655-000001  
 Tank Status: Not reported  
 Capacity: 10000  
 Active Date: Not reported  
 Tank Use: UNKNOWN  
 STG: PRODUCT  
 Content: Not reported  
 Number Of Tanks: 2

Name: CAR WASH EXPRESS  
 Address: 20602 LAKE FOREST DR  
 City: EL TORO  
 Status: Not reported  
 Comp Number: 12655  
 Number: Not reported  
 Board Of Equalization: Not reported  
 Referral Date: Not reported  
 Action Date: Not reported  
 Created Date: Not reported  
 Owner Tank Id: Not reported  
 SWRCB Tank Id: 30-000-012655-000002  
 Tank Status: Not reported  
 Capacity: 10000  
 Active Date: Not reported  
 Tank Use: UNKNOWN  
 STG: PRODUCT  
 Content: Not reported  
 Number Of Tanks: Not reported

**CA FID UST:**

Facility ID: 30017393  
 Regulated By: UTKNI  
 Regulated ID: Not reported  
 Cortese Code: Not reported  
 SIC Code: Not reported  
 Facility Phone: Not reported  
 Mail To: Not reported  
 Mailing Address: Not reported  
 Mailing Address 2: Not reported  
 Mailing City,St,Zip: EL TORO 92630  
 Contact: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAR WASH EXPRESS (Continued)**

**S101589521**

Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Inactive

**G28**  
**SW**  
**1/8-1/4**  
**0.200 mi.**  
**1057 ft.**

**ALCON RESEARCH, LLC (BLDG C)**  
**20521 LAKE FOREST DR**  
**LAKE FOREST, CA 92630**

**CERS HAZ WASTE**  
**CERS** **S123517720**  
**N/A**

**Site 4 of 7 in cluster G**

**Relative:**  
**Lower**  
**Actual:**  
**696 ft.**

**CERS HAZ WASTE:**  
Name: ALCON RESEARCH, LLC (BLDG C)  
Address: 20521 LAKE FOREST DR  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 413137  
CERS ID: 10717681  
CERS Description: Hazardous Waste Generator

**CERS:**  
Name: ALCON RESEARCH, LLC (BLDG C)  
Address: 20521 LAKE FOREST DR  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 413137  
CERS ID: 10717681  
CERS Description: Chemical Storage Facilities

**Evaluation:**  
Eval General Type: Other/Unknown  
Eval Date: 03-31-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted documents submitted to CERS on 2/28/17 with comment regarding adding Fire Code Hazardous Classes in next submission.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-14-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted to E-submit on 2/26/16 were reviewed and declined with the following considerations: Fluorine Excimer Laser Mix: This material must be reported in cubic feet. Helium: This material is below reportable volume of 1000 cubic feet and must be deleted. Nitrogen: This material is below reportable volume of 1000 cubic feet and must be deleted.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-26-2016  
Violations Found: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH, LLC (BLDG C) (Continued)**

**S123517720**

Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted revised documents submitted to E-submit on 3/23/16.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-21-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Craig Welence and Joel Azpuru assisted in conducting inspection. I inspected hazardous materials storage area in a lab. All required HMBP documents have been submitted to E-submit and reported material/inventory was verified. Facility has neon/fluorine gas cylinders at reportable volume. Employees are trained in hazardous material management and evacuation procedures. Training records are maintained are available electronically. Business emergency plan is available online.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-16-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Accepted Facility information submitted to CERS on 4/21/17. Updated new contact information in EC.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-21-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Submitted RUR to change status of site from "04" to "01."  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-31-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Alcon Research, LLC Bldg. C On site to conduct new hazardous materials chemical inventory and business emergency plan inspection due to change in ownership, business is no longer part of Novartis Corporation. Eric Quach granted consent to conduct inspection. I walked through the facility and perimeter inspected hazardous material storage areas. There has been no changes in types of hazardous material stored on site since last inspection or previous reporting period. Facility is now storing nitrogen gas in addition to fluorine/neon gas mixture. Hazardous materials management training is provided annually and training records are available electronically.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALCON RESEARCH, LLC (BLDG C) (Continued)**

**S123517720**

Emergency contact information is posted on the hazardous waste storage room door. Security personnel in reception area has a copy of emergency plan and employees are trained to contact security in event of emergency.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Coordinates:

Site ID: 413137  
Facility Name: ALCON RESEARCH, LLC (BLDG C)  
Env Int Type Code: HMBP  
Program ID: 10717681  
Coord Name: Not reported  
Ref Point Type Desc: Entrance point of a facility or station  
Latitude: 33.663816  
Longitude: -117.667740

Affiliation:

Affiliation Type Desc: Document Preparer  
Entity Name: Eric Quach  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Eric Quach  
Entity Title: Not reported  
Affiliation Address: 15800 Alton Parkway  
Affiliation City: Irvine  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92618  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Alcon Research, LLC  
Entity Title: Not reported  
Affiliation Address: 20511 Lake Forest Drive  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 92630  
Affiliation Phone: (949) 939-3671

Affiliation Type Desc: Operator  
Entity Name: Alcon Research, LLC  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ALCON RESEARCH, LLC (BLDG C) (Continued)**

**S123517720**

Affiliation Zip: Not reported  
 Affiliation Phone: (949) 939-3671

Affiliation Type Desc: Parent Corporation  
 Entity Name: ALCON RESEARCH LTD (BLDG C)  
 Entity Title: Not reported  
 Affiliation Address: Not reported  
 Affiliation City: Not reported  
 Affiliation State: Not reported  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
 Entity Name: Mailing Address  
 Entity Title: Not reported  
 Affiliation Address: 20511 Lake Forest Drive  
 Affiliation City: Lake Forest  
 Affiliation State: CA  
 Affiliation Country: Not reported  
 Affiliation Zip: 92630  
 Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District  
 Entity Name: Orange County Env Health  
 Entity Title: Not reported  
 Affiliation Address: 1241 East Dyer RoadSuite 120  
 Affiliation City: Santa Ana  
 Affiliation State: CA  
 Affiliation Country: Not reported  
 Affiliation Zip: 92705-5611  
 Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Identification Signer  
 Entity Name: Eric Quach  
 Entity Title: Health Safety & Environment Specialist  
 Affiliation Address: Not reported  
 Affiliation City: Not reported  
 Affiliation State: Not reported  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: Not reported

**29**  
**ENE**  
**1/8-1/4**  
**0.201 mi.**  
**1059 ft.**

**LIQUIDMETAL TECHNOLOGIES INC**  
**20321 VALENCIA CIR**  
**LAKE FOREST, CA 92630**

**RCRA NonGen / NLR**    **1024862830**  
**CAL000431354**

**Relative:**  
**Higher**  
**Actual:**  
**742 ft.**

RCRA NonGen / NLR:  
 Date Form Received by Agency: 2020-04-20 00:00:00.0  
 Handler Name: LIQUIDMETAL TECHNOLOGIES INC  
 Handler Address: 20321 VALENCIA CIR  
 Handler City,State,Zip: LAKE FOREST, CA 92630  
 EPA ID: CAL000431354  
 Contact Name: KEVIN KOM  
 Contact Address: VALENCIA CIR

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIQUIDMETAL TECHNOLOGIES INC (Continued)**

**1024862830**

Contact City,State,Zip:	LAKE FOREST, CA 92630
Contact Telephone:	949-635-2100
Contact Fax:	949-635-2188
Contact Email:	KEVIN.KOM@LIQUIDMETAL.COM
Contact Title:	FACILITIES
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	VALENCIA CIR
Mailing City,State,Zip:	LAKE FOREST, CA 92630
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	LIQUIDMETAL TECHNOLOGIES INC A DELAWARE CORPORATIO
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIQUIDMETAL TECHNOLOGIES INC (Continued)**

**1024862830**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDU Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-04-22 17:29:51.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LIQUIDMETAL TECHNOLOGIES INC A DELAWARE CORPORATION
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	20321 VALENCIA CIR
Owner/Operator City,State,Zip:	LAKE FOREST, CA 92630
Owner/Operator Telephone:	949-635-2100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	949-635-2188
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LIQUIDMETAL TECHNOLOGIES INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	20321 VALENCIA CIR
Owner/Operator City,State,Zip:	LAKE FOREST, CA 92630
Owner/Operator Telephone:	949-635-2100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KEVIN KOM
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	20321 VALENCIA CIR
Owner/Operator City,State,Zip:	LAKE FOREST, CA 92630
Owner/Operator Telephone:	949-635-2113
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIQUIDMETAL TECHNOLOGIES INC (Continued)**

**1024862830**

Historic Generators:

Receive Date:	2020-04-20 00:00:00.0
Handler Name:	LIQUIDMETAL TECHNOLOGIES INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	2017-10-09 00:00:00.0
Handler Name:	LIQUIDMETAL TECHNOLOGIES INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	337215
NAICS Description:	SHOWCASE, PARTITION, SHELVING, AND LOCKER MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found
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Evaluation Action Summary:

Evaluations:	No Evaluations Found
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**F30**  
**East**  
**1/8-1/4**  
**0.209 mi.**  
**1103 ft.**

**SADDLE BACK VALLEY ORANMENTAL IRON INC**  
**26891 VISTA TERRACE**  
**LAKE FOREST, CA 92630**  
**Site 3 of 6 in cluster F**

**RCRA-LQG** **1006930221**  
**CERS HAZ WASTE** **CAR000146894**  
**NPDES**  
**CIWQS**  
**CERS**

**Relative:**  
**Higher**  
**Actual:**  
**803 ft.**

RCRA-LQG:	
Date Form Received by Agency:	2003-08-04 00:00:00.0
Handler Name:	SADDLE BACK VALLEY ORANMENTAL IRON INC
Handler Address:	26891 VISTA TERRACE
Handler City,State,Zip:	LAKE FOREST, CA 92630
EPA ID:	CAR000146894
Contact Name:	JOHN RODRIGUEZ
Contact Address:	26891 VISTA TERRACE
Contact City,State,Zip:	LAKE FOREST, CA 92630
Contact Telephone:	949-830-9513
Contact Fax:	Not reported
Contact Email:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	26891 VISTA TERRACE
Mailing City,State,Zip:	LAKE FOREST, CA 92630
Owner Name:	PAM DICKIE
Owner Type:	Private
Operator Name:	SADDLE NACK VALLEY ORNAMENTAL INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2003-08-08 14:29:16.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code: D001  
Waste Description: IGNITABLE WASTE

Waste Code: D035  
Waste Description: METHYL ETHYL KETONE

Waste Code: F003  
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005  
Waste Description: 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.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PAM DICKIE
Legal Status:	Private
Date Became Current:	1991-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Owner/Operator Indicator: Operator  
Owner/Operator Name: SADDLE NACK VALLEY ORNAMENTAL INC  
Legal Status: Private  
Date Became Current: 1992-01-01 00:00:00.  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported  
Owner/Operator City,State,Zip: Not reported  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2003-08-04 00:00:00.0  
Handler Name: SADDLE BACK VALLEY ORANMENTAL IRON INC  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 23561  
NAICS Description: ROOFING, SIDING, AND SHEET METAL CONTRACTORS

Facility Has Received Notices of Violation:

Found Violation: No  
Agency Which Determined Violation: Not reported  
Violation Short Description: Not reported  
Date Violation was Determined: Not reported  
Actual Return to Compliance Date: Not reported  
Return to Compliance Qualifier: Not reported  
Violation Responsible Agency: Not reported  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: Not reported  
Date of Enforcement Action: Not reported  
Enforcement Responsible Agency: Not reported  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: Not reported  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: Not reported  
Enforcement Responsible Person: Not reported  
Enforcement Responsible Sub-Organization: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2005-03-08 00:00:00.0
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Violation Responsible Agency: State  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: Not reported  
Date of Enforcement Action: Not reported  
Enforcement Responsible Agency: Not reported  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: Not reported  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: Not reported  
Enforcement Responsible Person: Not reported  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

**Evaluation Action Summary:**

Evaluation Date: 2005-03-09 00:00:00.0  
Evaluation Responsible Agency: State Contractor/Grantee  
Found Violation: No  
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: Not reported  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 2005-05-31 00:00:00.0  
Evaluation Responsible Agency: State Contractor/Grantee  
Found Violation: No  
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: Not reported  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Former Citation: Not reported  
Evaluation Date: 2005-03-08 00:00:00.0  
Evaluation Responsible Agency: State Contractor/Grantee  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: Not reported  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: Not reported  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

**CERS HAZ WASTE:**

Name: SADDLEBACK VLY ORNAMENTAL IRON INC  
Address: 26891 VISTA TERRACE  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 413613  
CERS ID: 10540471  
CERS Description: Hazardous Waste Generator

**NPDES:**

Name: SADDLEBACK VALLEY ORNAMENTAL IRON INC  
Address: 26891 VISTA TERRACE  
City,State,Zip: LAKE FOREST, CA 92630  
Facility Status: Active  
NPDES Number: CAS000001  
Region: 8  
Agency Number: 0  
Regulatory Measure ID: 465156  
Place ID: Not reported  
Order Number: 97-03-DWQ  
WDID: 8 30NEC001180  
Regulatory Measure Type: Enrollee  
Program Type: Industrial  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 10/13/2015  
Termination Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Discharge Address: 26891 Vista Terrace  
Discharge Name: Saddleback Valley Ornamental Iron Inc  
Discharge City: Lake Forest  
Discharge State: California  
Discharge Zip: 92630  
Status: Not reported  
Status Date: Not reported  
Operator Name: Not reported  
Operator Address: Not reported  
Operator City: Not reported  
Operator State: Not reported  
Operator Zip: Not reported

**NPDES as of 03/2018:**

NPDES Number: Not reported

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**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	465156
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 30NEC001180
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	10/06/2015
Processed Date:	10/13/2015
Status:	Active
Status Date:	10/13/2015
Place Size:	7500
Place Size Unit:	SqFt
Contact:	Tom Buchanan
Contact Title:	Shop Mgr.
Contact Phone:	949-830-9513
Contact Phone Ext:	Not reported
Contact Email:	tom@sviron.com
Operator Name:	Saddleback Valley Ornamental Iron Inc
Operator Address:	26891 Vista Terrace
Operator City:	Lake Forest
Operator State:	California
Operator Zip:	92630
Operator Contact:	Tom Buchanan
Operator Contact Title:	Shop Mgr.
Operator Contact Phone:	949-830-9513
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	tom@sviron.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	949-291-2477
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported

Map ID  
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**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Michael Parsons
Certifier Title:	Owner
Certification Date:	06-OCT-16
Primary Sic:	3446-Architectural and Ornamental Metal Work
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	465156
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 30NEC001180
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/13/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Saddleback Valley Ornamental Iron Inc
Discharge Address:	26891 Vista Terrace
Discharge City:	Lake Forest
Discharge State:	California
Discharge Zip:	92630
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported



Map ID  
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**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Operator Contact Email: Not reported  
Operator Type: Not reported  
Developer: Not reported  
Developer Address: Not reported  
Developer City: Not reported  
Developer State: Not reported  
Developer Zip: Not reported  
Developer Contact: Not reported  
Developer Contact Title: Not reported  
Constype Linear Utility Ind: Not reported  
Emergency Phone: Not reported  
Emergency Phone Ext: Not reported  
Constype Above Ground Ind: Not reported  
Constype Below Ground Ind: Not reported  
Constype Cable Line Ind: Not reported  
Constype Comm Line Ind: Not reported  
Constype Commercial Ind: Not reported  
Constype Electrical Line Ind: Not reported  
Constype Gas Line Ind: Not reported  
Constype Industrial Ind: Not reported  
Constype Other Description: Not reported  
Constype Other Ind: Not reported  
Constype Recons Ind: Not reported  
Constype Residential Ind: Not reported  
Constype Transport Ind: Not reported  
Constype Utility Description: Not reported  
Constype Utility Ind: Not reported  
Constype Water Sewer Ind: Not reported  
Dir Discharge Uswater Ind: Not reported  
Receiving Water Name: Not reported  
Certifier: Not reported  
Certifier Title: Not reported  
Certification Date: Not reported  
Primary Sic: Not reported  
Secondary Sic: Not reported  
Tertiary Sic: Not reported

Name: SADDLEBACK VALLEY ORNAMENTAL IRON INC  
Address: 26891 VISTA TERRACE  
City,State,Zip: LAKE FOREST, CA 92630  
Facility Status: Not reported  
NPDES Number: Not reported  
Region: Not reported  
Agency Number: Not reported  
Regulatory Measure ID: Not reported  
Place ID: Not reported  
Order Number: Not reported  
WDID: 8 30NEC001180  
Regulatory Measure Type: Industrial  
Program Type: Not reported  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Discharge Address: Not reported  
Discharge Name: Not reported

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Discharge City: Not reported  
Discharge State: Not reported  
Discharge Zip: Not reported  
Status: Active  
Status Date: 10/13/2015  
Operator Name: Saddleback Valley Ornamental Iron Inc  
Operator Address: 26891 Vista Terrace  
Operator City: Lake Forest  
Operator State: California  
Operator Zip: 92630

NPDES as of 03/2018:

NPDES Number: Not reported  
Status: Not reported  
Agency Number: Not reported  
Region: 8  
Regulatory Measure ID: 465156  
Order Number: Not reported  
Regulatory Measure Type: Industrial  
Place ID: Not reported  
WDID: 8 30NEC001180  
Program Type: Not reported  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Not reported  
Discharge Address: Not reported  
Discharge City: Not reported  
Discharge State: Not reported  
Discharge Zip: Not reported  
Received Date: 10/06/2015  
Processed Date: 10/13/2015  
Status: Active  
Status Date: 10/13/2015  
Place Size: 7500  
Place Size Unit: SqFt  
Contact: Tom Buchanan  
Contact Title: Shop Mgr.  
Contact Phone: 949-830-9513  
Contact Phone Ext: Not reported  
Contact Email: tom@sviron.com  
Operator Name: Saddleback Valley Ornamental Iron Inc  
Operator Address: 26891 Vista Terrace  
Operator City: Lake Forest  
Operator State: California  
Operator Zip: 92630  
Operator Contact: Tom Buchanan  
Operator Contact Title: Shop Mgr.  
Operator Contact Phone: 949-830-9513  
Operator Contact Phone Ext: Not reported  
Operator Contact Email: tom@sviron.com  
Operator Type: Private Business  
Developer: Not reported  
Developer Address: Not reported  
Developer City: Not reported  
Developer State: California  
Developer Zip: Not reported

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	949-291-2477
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Michael Parsons
Certifier Title:	Owner
Certification Date:	06-OCT-16
Primary Sic:	3446-Architectural and Ornamental Metal Work
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	465156
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 30NEC001180
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/13/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Saddleback Valley Ornamental Iron Inc
Discharge Address:	26891 Vista Terrace
Discharge City:	Lake Forest
Discharge State:	California
Discharge Zip:	92630
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported

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EDR ID Number  
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**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

**CIWQS:**

Name:	SADDLEBACK VALLEY ORNAMENTAL IRON INC
Address:	26891 VISTA TERRACE
City,State,Zip:	LAKE FOREST, CA 92630
Agency:	Saddleback Valley Ornamental Iron Inc
Agency Address:	26891 Vista Terrace, Lake Forest, CA 92630
Place/Project Type:	Industrial - Architectural and Ornamental Metal Work

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**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

SIC/NAICS: 3446  
Region: 8  
Program: INDSTW  
Regulatory Measure Status: Active  
Regulatory Measure Type: Storm water industrial  
Order Number: 2014-0057-DWQ  
WDID: 8 30NEC001180  
NPDES Number: CAS000001  
Adoption Date: Not reported  
Effective Date: 10/13/2015  
Termination Date: Not reported  
Expiration/Review Date: Not reported  
Design Flow: Not reported  
Major/Minor: Not reported  
Complexity: Not reported  
TTWQ: Not reported  
Enforcement Actions within 5 years: 0  
Violations within 5 years: 0  
Latitude: 33.66615  
Longitude: -117.66103

**CERS:**

Name: SADDLEBACK VALLEY ORNAMENTAL IRON INC  
Address: 26891 VISTA TERRACE  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 541454  
CERS ID: 841678  
CERS Description: Industrial Facility Storm Water

**Evaluation:**

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-09-2016  
Violations Found: No  
Eval Type: Industrial Storm Water Compliance Evaluation  
Eval Notes: Regional Board staff (staff) conducted a No Exposure Certification (NEC) inspection of the above facility on August 08, 2016. The facility had exposed industrial material and untarped scrap metal 40 yard roll off. Mr. Buchanan stated that the facility was constructing an awning for the industrial material and required time. The facility must correct these issues by August 30, 2016. On August 30, 2016, the facility corrected the issues by constructing the awning and tarping the scrap metal 40 yard roll off. No other industrial activity was exposed to storm water and thus the facility meets the requirements of the NEC as defined in the Industrial General Permit. No further action is required.  
Eval Division: Water Boards  
Eval Program: INDSTW  
Eval Source: SMARTS

**Affiliation:**

Affiliation Type Desc: Owner/Operator  
Entity Name: Saddleback Valley Ornamental Iron Inc  
Entity Title: Operator  
Affiliation Address: 26891 Vista Terrace  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: Not reported

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**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Affiliation Zip: 92630  
Affiliation Phone: Not reported

Name: SADDLEBACK VLY ORNAMENTAL IRON INC  
Address: 26891 VISTA TERRACE  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 413613  
CERS ID: 10540471  
CERS Description: Chemical Storage Facilities

Evaluation:  
Eval General Type: Other/Unknown  
Eval Date: 01-03-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Received email from facility contact, Tom Buchanan indicating that two CERS ID#s with same address are assigned to his businesses. I looked in CERS. CERS ID#s were for different addresses. I emailed a copy of Business Activities form for CERS ID# 10540471 with this site's address to him. I also mentioned that the Fire Code Hazard Classes were not transferred from E-submit and for him to add them to inventory forms.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-31-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted documents submitted to E-submit on 3/23/15.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-25-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct routine hazardous waste inspection. Tom Buchanan granted consent to conduct inspection. I walked through the facility and inspected waste storage areas in both buildings (268881 and 26891 Vista Terrace). I did not observe any hazardous waste in trash cans throughout the buildings. Sandblast waste (2) and waste paint (1) drums and paint filter boxes (3) are stored closed and labeled. Manifests were reviewed. Emergency contact list is posted on the bulletin board in the shop leading into front office.  
Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-06-2013  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct routine hazardous waste inspection. Tom Buchanan granted consent to conduct inspection. I walked through the facility

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**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

and inspected waste storage area. Sandblast blast waste (1), zinc oxide waste (1) and waste paint (1) drums are stored closed and labeled during the inspection. Manifests were reviewed. A new emergency card was provided to be filled out and posted.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-18-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Inspector Comments: Please be advised that this Agency has reviewed the laboratory results for the paint filter sample analyzed on 9/13/16. Based on the submitted laboratory results, paint filters are considered hazardous due to zinc concentrations detected at 1020 mg/l (STLC) and must continue to be managed as hazardous waste.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 02-29-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted annual certification documents submitted to CERS on 2/18/16.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-03-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted 2/26/15 have been reviewed and declined with the following considerations: Argon gas is not reportable since there is less 1000 cubic feet stored on site and must be removed. Paint Filters: The Fire Code Hazard Classes should be changed from G CarcinogenG to G Toxic.G In addition, the %WT, hazardous component and CAS# for at least of dried paint constituents must be listed under the G Hazardous ComponentG section at the bottom of the form. The site map does not contain north orientation, adjacent streets, storm drain(s), emergency shutoffs (water, electricity, water and natural gas), evacuation staging areas and emergency response equipment (fire extinguishers)

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-05-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted to E-submit on 3/3/15 are identical to ones submitted on 2/26/25 and reviewed on 3/2/15. Documents were declined with the following considerations: Argon gas is not reportable since

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**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

there is less 1000 cubic feet stored on site and must be removed.  
Paint Filters: The Fire Code Hazard Classes should be changed from Carcinogen to Toxic. In addition, the %WT, hazardous component and CAS# for at least one of dried paint constituents must be listed under the Hazardous Component section at the bottom of the form. The site map does not contain north orientation, adjacent streets, storm drain(s), emergency shutoffs (water, electricity, water and natural gas), evacuation staging areas and emergency response equipment (fire extinguishers).

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-25-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes:

On site to conduct routine hazardous waste inspection. I walked through the facility and inspected waste storage areas in both buildings (268881 and 26891 Vista Terrace). I did not observe any hazardous waste in municipal trash and trash cans throughout the buildings. Sandblast waste (3) and paint filter box (1) drums and paint filter boxes (1) are stored closed and labeled. Manifests were reviewed. Emergency contact list is posted on the bulletin board in the shop leading into front office.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-30-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes:

On site to conduct routine hazardous waste inspection. Tom Buchanan granted consent to conduct inspection. I walked through the facility and inspected waste storage areas in both buildings (268881 and 26891 Vista Terrace). I did not observe any hazardous waste in municipal trash and trash cans throughout the buildings. Paint filters roll-off bin, sandblast waste and zinc oxide drums and are stored closed and labeled. Manifests were reviewed. Emergency contact list is posted on the bulletin board in the shop leading into front office.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-22-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes:

The documetns submitted 3/19/14 have been reviewed and declined with the following considerations: Electronic submittals are address specific. The chemicals reported for your facility at 26881 Vista Terrace must be reported separately under a new record that will be created for that address. Argon gas is not reportable since there is less 1000 cubic feet stored on site and must be removed. The %WT of dried paint under the G Hazardous ComponentG section must be added to the form. The site map does not include north orientation/arrow,



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**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

emergency shut offs (electricity, water and natural gas), access and exit points, loading areas, evacuation staging areas, emergency response equipment, hazardous materials handling equipment, sewer and storm drains. A revised map must be submitted.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-23-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct routine hazardous waste inspection. Tom Buchanan granted consent to conduct inspection. I walked through the facility and inspected waste storage area. Zinc oxide waste drum and paint filter box are stored closed and labeled. Manifests were reviewed. Emergency card is posted on the MSDS binder in the office..

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-25-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted documents submitted to CERS on 7/25/17 that included updated map showing location of hazardous waste inside building.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-30-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Tom Buchanan granted consent to conduct inspection. I walked through the facility and inspected hazardous material storage areas. There has been no changes in types and/or volumes of the hazardous material stored on site since last inspection or previous reporting period. All gas cylinders inside and outside building are chained to wall. Hazardous materials management training is provided annually. I discussed updating site map by clearly marking/identifying propane and compressed gas cylinders locations and submitting it to CERS. Emergency contact list is posted on the bulletin board in the shop leading into front office.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-21-2013  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: I returned Tom Buchanan's call and assisted him in requesting username and password for Esubmit.

Map ID  
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Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-18-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct routine hazardous waste inspection. Tom Buchanan granted consent to conduct inspection. I walked through the facility and inspected waste storage areas. I did not observe any hazardous waste in trash cans throughout the building. Sandblast waste drum, only waste stored on site currently, is stored closed and labeled. Manifests were reviewed. Emergency card is posted on the bulletin board in the front office.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-05-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Received email from facility, Tom Buchanan contact stating that he does not know why submittal was declined since he did not received any notes/comments. I emailed him a copy of the F04 inspection report with comments explaining why submittal was denied.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-28-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct routine hazardous waste inspection. Tom Buchanan granted consent to conduct inspection. I walked through the facility and inspected waste storage areas in both buildings. I did not observe any hazardous waste in trash cans throughout the buildings. Sandblast waste (2) and waste paint (1) drums and paint filter boxes (2) are stored closed and labeled. Manifests were reviewed. Emergency contact list is posted on the bulletin board in the shop leading into front office.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-28-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Tom Buchanan assisted with inspection. I walked through the facility and inspected hazardous material storage areas. Gas cylinders are chained to wall in storage area. Reported material was reviewed and there has been no change in chemical inventory. However, hazardous waste drums and boxes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

have been moved inside building. Site map will be updated. Business Emergency Plan and disclosure information is available electronically. Employee training records with topics covered are available for review. Site map with evacuation routes are posted throughout facility. Emergency contact information is posted on a bulletin board in the shop.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown

Eval Date: 08-04-2014

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: I received call from Linda at the facility regarding the haz mat fee for this facility since they only have four reportable chemical. An RUR was submitted to change PE code. I called her back and explained that the fee is \$137 and for her to cross out the amount listed on the bill and pay accordingly.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 08-06-2013

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: On site to conduct new hazardous materials chemical inventory and business emergency plan inspection. Tom Buchanan granted consent to conduct inspection. I walked through the facility and inspected hazardous materials storage area. The facility has the hazardous materials and hazardous waste that meet the required disclosure quantities such as propane, other compressed gases and waste paint. The facility is reviewing their inventory currently due to changes in materials being used. Facility conducts employee training and will begin keeping records of topics covered and employees trained. Facility is required and has been notified to electronically submit the following documents within 30 days of this inspection: - Business Activities form - Owner/Operator Identification form - Hazardous Material Chemical Inventory forms - Facility Site Map - Business Emergency Plan Documents must be electronically submitted by going to [www.esubmit.ocgov.com](http://www.esubmit.ocgov.com) and [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

**Coordinates:**

Site ID: 413613  
Facility Name: SADDLEBACK VLY ORNAMENTAL IRON INC  
Env Int Type Code: HMBP  
Program ID: 10540471  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 33.666150  
Longitude: -117.661030

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Affiliation:

Affiliation Type Desc: Environmental Contact  
Entity Name: Tom Buchanan  
Entity Title: Not reported  
Affiliation Address: 26891 Vista Terrace  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation  
Entity Name: SADDLEBACK VLY ORNAMENTAL IRON INC  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District  
Entity Name: Orange County Env Health  
Entity Title: Not reported  
Affiliation Address: 1241 East Dyer RoadSuite 120  
Affiliation City: Santa Ana  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92705-5611  
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Document Preparer  
Entity Name: Tom Buchanan  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 26891 Vista Terrace  
Affiliation City: Lake Forest  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Tom Buchanan  
Entity Title: Shop Mgr.  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SADDLE BACK VALLEY ORANMENTAL IRON INC (Continued)**

**1006930221**

Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
 Entity Name: Tom Buchanan  
 Entity Title: Not reported  
 Affiliation Address: Not reported  
 Affiliation City: Not reported  
 Affiliation State: Not reported  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: (949) 830-9513

Affiliation Type Desc: Property Owner  
 Entity Name: Michael T. Parsons  
 Entity Title: Not reported  
 Affiliation Address: 26891 Vista Terrace  
 Affiliation City: Lake Forest  
 Affiliation State: CA  
 Affiliation Country: United States  
 Affiliation Zip: 92630  
 Affiliation Phone: (949) 830-9513

Affiliation Type Desc: Legal Owner  
 Entity Name: Michael Parsons  
 Entity Title: Not reported  
 Affiliation Address: Mike@sviron.com  
 Affiliation City: Lake Forest  
 Affiliation State: CA  
 Affiliation Country: United States  
 Affiliation Zip: 92630  
 Affiliation Phone: (949) 830-9513

**F31**  
**East**  
**1/8-1/4**  
**0.234 mi.**  
**1234 ft.**

**QUIGLEY AUTO BODY**  
**26921 VISTA TER**  
**LAKE FOREST, CA 92630**

**RCRA NonGen / NLR**

**1024795561**  
**CAL000167877**

**Site 4 of 6 in cluster F**

**Relative:**  
**Higher**  
**Actual:**  
**792 ft.**

RCRA NonGen / NLR:		
Date Form Received by Agency:		1995-11-01 00:00:00.0
Handler Name:	QUIGLEY AUTO BODY	
Handler Address:		26921 VISTA TER
Handler City,State,Zip:		LAKE FOREST, CA 92630-8131
EPA ID:		CAL000167877
Contact Name:		GLENN QUIGLEY
Contact Address:		26921 VISTA TER
Contact City,State,Zip:		LAKE FOREST, CA 92630
Contact Telephone:		949-768-5915
Contact Fax:		949-215-7537
Contact Email:		GLENN@QUIGLEYSAUTOBODY.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**QUIGLEY AUTO BODY (Continued)**

**1024795561**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	26921 VISTA TERRACE
Mailing City, State, Zip:	LAKE FOREST, CA 92630-8131
Owner Name:	GLENN QUIGLEY
Owner Type:	Other
Operator Name:	GLENN QUIGLEY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**QUIGLEY AUTO BODY (Continued)**

**1024795561**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:43:41.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GLENN QUIGLEY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	26921 VISTA TER
Owner/Operator City,State,Zip:	LAKE FOREST, CA 92630
Owner/Operator Telephone:	949-768-5915
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	GLENN QUIGLEY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	26921 VISTA TER
Owner/Operator City,State,Zip:	LAKE FOREST, CA 92630-8131
Owner/Operator Telephone:	714-501-3211
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1995-11-01 00:00:00.0
Handler Name:	QUIGLEY AUTO BODY
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811121
NAICS Description:	AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**QUIGLEY AUTO BODY (Continued)**

**1024795561**

Violations: No Violations Found

Evaluation Action Summary:  
 Evaluations: No Evaluations Found

**32**  
**ESE**  
**1/8-1/4**  
**0.236 mi.**  
**1247 ft.**

**TENEX HEALTH INC**  
**26902 VISTA TER**  
**LAKE FOREST, CA 92630**

**RCRA NonGen / NLR**

**1024843122**  
**CAL000394243**

**Relative:**  
**Higher**  
**Actual:**  
**782 ft.**

RCRA NonGen / NLR:  
 Date Form Received by Agency: 2014-02-21 00:00:00.0  
 Handler Name: TENEX HEALTH INC  
 Handler Address: 26902 VISTA TER  
 Handler City,State,Zip: LAKE FOREST, CA 92630-8123  
 EPA ID: CAL000394243  
 Contact Name: DONNA FARLEY  
 Contact Address: 26902 VISTA TERRACE  
 Contact City,State,Zip: LAKE FOREST, CA 92630  
 Contact Telephone: 949-238-8113  
 Contact Fax: 949-580-1270  
 Contact Email: FARLEY@TENEXHEALTH.COM  
 Contact Title: Not reported  
 EPA Region: 09  
 Land Type: Not reported  
 Federal Waste Generator Description: Not a generator, verified  
 Non-Notifier: Not reported  
 Biennial Report Cycle: Not reported  
 Accessibility: Not reported  
 Active Site Indicator: Handler Activities  
 State District Owner: Not reported  
 State District: Not reported  
 Mailing Address: 26902 VISTA TERACE  
 Mailing City,State,Zip: LAKE FOREST, CA 92630-8123  
 Owner Name: TENEX HEALTH INC  
 Owner Type: Other  
 Operator Name: DONNA FARLEY  
 Operator Type: Other  
 Short-Term Generator Activity: No  
 Importer Activity: No  
 Mixed Waste Generator: No  
 Transporter Activity: No  
 Transfer Facility Activity: No  
 Recycler Activity with Storage: No  
 Small Quantity On-Site Burner Exemption: No  
 Smelting Melting and Refining Furnace Exemption: No  
 Underground Injection Control: No  
 Off-Site Waste Receipt: No  
 Universal Waste Indicator: Yes  
 Universal Waste Destination Facility: Yes  
 Federal Universal Waste: No  
 Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported  
 Active Site Converter Treatment storage and Disposal Facility: Not reported  
 Active Site State-Reg Treatment Storage and Disposal Facility: Not reported  
 Active Site State-Reg Handler: ---



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TENEX HEALTH INC (Continued)**

**1024843122**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:03:56.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

**Handler - Owner Operator:**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TENEX HEALTH INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	26902 VISTA TERACE
Owner/Operator City,State,Zip:	LAKE FOREST, CA 92630-8123
Owner/Operator Telephone:	949-238-8113
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	DONNA FARLEY
Legal Status:	Other
Date Became Current:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**TENEX HEALTH INC (Continued)**

**1024843122**

Date Ended Current: Not reported  
 Owner/Operator Address: 26902 VISTA TERRACE  
 Owner/Operator City,State,Zip: LAKE FOREST, CA 92630  
 Owner/Operator Telephone: 949-238-8113  
 Owner/Operator Telephone Ext: Not reported  
 Owner/Operator Fax: Not reported  
 Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2014-02-21 00:00:00.0  
 Handler Name: TENEX HEALTH INC  
 Federal Waste Generator Description: Not a generator, verified  
 State District Owner: Not reported  
 Large Quantity Handler of Universal Waste: No  
 Recognized Trader Importer: No  
 Recognized Trader Exporter: No  
 Spent Lead Acid Battery Importer: No  
 Spent Lead Acid Battery Exporter: No  
 Current Record: Yes  
 Non Storage Recycler Activity: Not reported  
 Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 334517  
 NAICS Description: IRRADIATION APPARATUS MANUFACTURING

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**F33**  
**East**  
**1/8-1/4**  
**0.243 mi.**  
**1283 ft.**

**G&C LARSEN INC DBA FOOTHILL AUTO SERVICE**  
**26911 VISTA TER**  
**LAKE FOREST, CA 92630**

**RCRA NonGen / NLR**

**1024814413**  
**CAL000308936**

**Site 5 of 6 in cluster F**

**Relative:**  
**Higher**  
**Actual:**  
**796 ft.**

RCRA NonGen / NLR:  
 Date Form Received by Agency: 2006-07-12 00:00:00.0  
 Handler Name: G&C LARSEN INC DBA FOOTHILL AUTO SERVICE  
 Handler Address: 26911 VISTA TER  
 Handler City,State,Zip: LAKE FOREST, CA 92630-8131  
 EPA ID: CAL000308936  
 Contact Name: GLENN LARSEN  
 Contact Address: 26911 VISTA TER  
 Contact City,State,Zip: LAKE FOREST, CA 92630  
 Contact Telephone: 949-770-5956  
 Contact Fax: 949-770-6956  
 Contact Email: GLENN@FOOTHILLAUTOSERVICE.COM  
 Contact Title: Not reported  
 EPA Region: 09  
 Land Type: Not reported  
 Federal Waste Generator Description: Not a generator, verified  
 Non-Notifier: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**G&C LARSEN INC DBA Foothill Auto Service (Continued)**

**1024814413**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	26911 VISTA TER
Mailing City, State, Zip:	LAKE FOREST, CA 92630-8131
Owner Name:	G&C LARSEN INC
Owner Type:	Other
Operator Name:	GLENN LARSEN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRC Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**G&C LARSEN INC DBA FOOTHILL AUTO SERVICE (Continued)**

**1024814413**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:28:22.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GLENN LARSEN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	26911 VISTA TER
Owner/Operator City,State,Zip:	LAKE FOREST, CA 92630
Owner/Operator Telephone:	949-770-5956
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	G&C LARSEN INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	26911 VISTA TER
Owner/Operator City,State,Zip:	LAKE FOREST, CA 92630-8131
Owner/Operator Telephone:	949-770-5956
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2006-07-12 00:00:00.0
Handler Name:	G&C LARSEN INC DBA FOOTHILL AUTO SERVICE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**G&C LARSEN INC DBA Foothill Auto Service (Continued)**

**1024814413**

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**F34  
East  
1/8-1/4  
0.243 mi.  
1283 ft.**

**FOOTHILL AUTO SERVICE  
26911 VISTA TERRACE  
LAKE FOREST, CA 92630  
Site 6 of 6 in cluster F**

**CERS HAZ WASTE  
CERS**

**S123517755  
N/A**

**Relative:  
Higher  
Actual:  
796 ft.**

CERS HAZ WASTE:  
Name: FOOTHILL AUTO SERVICE  
Address: 26911 VISTA TERRACE  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 413338  
CERS ID: 10550452  
CERS Description: Hazardous Waste Generator

CERS:  
Name: FOOTHILL AUTO SERVICE  
Address: 26911 VISTA TERRACE  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 413338  
CERS ID: 10550452  
CERS Description: Chemical Storage Facilities

Violations:  
Site ID: 413338  
Site Name: FOOTHILL AUTO SERVICE  
Violation Date: 5/28/2014  
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)  
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.  
Violation Notes: Facility is required and has been notified to electronically submit Hazardous Materials Business Emergency Plans and Chemical Inventory Form(s) by 6/28/14. Facility can submit forms electronically by going to [www.esubmit.ocgov.com](http://www.esubmit.ocgov.com) and requesting a username and password. User guides and tutorials are located on the home page to help you get started. If you are having trouble, please contact 714-433-6000.  
Violation Division: Orange County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 413338  
Site Name: FOOTHILL AUTO SERVICE  
Violation Date: 4/3/2017  
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173  
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FOOTHILL AUTO SERVICE (Continued)**

**S123517755**

Violation Notes: leak.  
Returned to compliance on 05/17/2017. Used oil filter drum does not have a lid. Please be advised that used filter drum must be stored closed unless in active use. A lid must be obtained for the used oil filter drum within 30 days of this inspection.

Violation Division: Orange County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-03-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct routine hazardous waste inspection. Glenn Larson granted consent to conduct inspection. I walked through the shop, perimeter and inspected waste storage areas. I did not observe any hazardous waste in trash cans. Waste oil tanks, stored outside building in an enclosure is kept closed and labeled. Waste antifreeze drum is stored closed and labeled. Used oil filter drum is labeled but does not have a lid. Hauler did not provide a lid. Please be advised that used filter drum must be stored closed unless in active use. A lid must be obtained for the used oil filter drum. Manifests were reviewed. Emergency card is posted in the office on a file cabinet.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-17-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: On site for follow up inspection to correct outstanding violation I617, regarding failure to properly close hazardous waste containers when not in use, cited during routine inspection conducted on 4/3/17. Used oil filter drum has a lid and stored closed. Violation has been corrected.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-18-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted annual certification documents submitted to CERS on 5/17/17.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-28-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: The purpose of this visit is to conduct a routine Hazardous Materials Disclosure inspection. Met with Glenn Larsen. During the inspection

Map ID  
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Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FOOTHILL AUTO SERVICE (Continued)**

**S123517755**

the following was observed: Reviewed list of chemicals stored onsite. Motor oil, Used motor oil, ATF, Coolant, and Used Coolant Reviewed training records. The facility representative onsite stated that staff are trained at least yearly on emergency response procedures and hazardous waste management. The operator is also aware that new staff must be trained on emergency response within six months of employment and then yearly after that. Reviewed Business Emergency Plan / Plot Plan As discussed, if you have not already, please visit <http://esubmit.ocgov.com/> and request a user name and password. Your Orange County CUPA forms are now online.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-14-2020  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Glenn Larsen granted consent to conduct inspection. I walked through facility and inspected hazardous material storage areas inside and outside facility. There has been changes in volumes and locations of the hazardous material stored on site since last inspection or previous reporting period. Volume of new antifreeze stored on site has decreased from 110 gallons to 55 gallons. Also, location of waste and new antifreeze has changed. Facility stores the following hazardous materials at disclosure threshold: - 55 gallons of new antifreeze - 55 gallons of waste antifreeze - 240 gallons of waste oil - 324 gallons of new motor oil Hazardous materials management training is provided annually and records are available for review. New Emergency Response Notification & Contingency Plan Card was filled out to be posted in the shop. I assisted business with [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-14-2020  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct routine hazardous waste inspection. Glenn Larsen granted consent to conduct inspectioN. I walked through shop, perimeter and inspected waste storage areas inside and outside facility. I did not observe any hazardous waste in trash cans or municipal trash. Waste oil tank, stored outside building in a cement enclosure, is kept closed and labeled. Waste antifreeze (1) and used oil filter (1) drums are stored closed and labeled. Manifests were reviewed. Emergency card is posted in the office on a file cabinet. New Emergency Response Notification & Contingency Plan Card was filled out to be posted in the shop.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-28-2014  
Violations Found: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FOOTHILL AUTO SERVICE (Continued)**

**S123517755**

Eval Type: Routine done by local agency  
Eval Notes: Onsite to conduct a routine hazardous waste inspection. Met with Glenn Larsen. Inspected used oil, drained used oil/fuel filters, hot tank, and waste antifreeze. Drums and tanks were provided with a lid, stored in a secure manner and appear to be in good condition. The operator completes a maintenance inspection on the drums and tanks on a weekly basis. A Hazardous Waste label was noted on all drums and tanks with the required identification. Municipal dumpster area does not appear to contain any hazardous waste. Perimeter of facility inspected - did not observe any water runoff or staining at this time. Hazardous Waste Emergency Response plan was available for review. Manifests and bills of lading for all hazardous waste streams were reviewed today. Ensure all hazardous waste manifests/disposal documents are maintained on site for at least three years from the date of transport and are available for review during normal business hours. For more [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-22-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: HMBEP Accepted  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-16-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct routine hazardous waste inspection. I walked through the shop, perimeter and inspected waste storage areas. I did not observe any hazardous waste in trash cans throughout facility. Waste oil tank stored outside building in secondary containment is kept closed and labeled. Waste antifreeze (1), used oil filter/metal(1) and used oil filter/paper (1) drums are stored closed and labeled. Manifests were reviewed. Emergency card is posted in the office on a file cabinet.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-03-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Glenn Larsen granted consent to conduct inspection. I walked through the facility and inspected hazardous material storage areas. There has been changes in types and/or volumes and locations of the hazardous material stored on site since last inspection or previous reporting period. Facility has the following hazardous materials that meet the required disclosure quantities: - 324 gallons of new oil - 240 gallons of waste oil - 110 gallons of new



Map ID  
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Distance  
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MAP FINDINGS

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EDR ID Number  
EPA ID Number

**FOOTHILL AUTO SERVICE (Continued)**

**S123517755**

antifreeze - 55 gallons of waste antifreeze - 110 gallons of windshield wiper fluid Hazardous materials management are provided for employees annually. Business owner was not aware of the requirement to maintain sign in sheets/training records. He will begin keeping training records. Emergency card is posted in the office on a file cabinet. Inventory forms and site must be updated in CERS.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown

Eval Date: 12-08-2015

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: HMBEP declined in E-Submit. The following notes were included in the review: "Provide CAS#G s for all pure materials and waste/mixture components. Provide percent weights for all mixture components. You have waste in you chemical inventory, but have not provided an EPA ID# on the business activities page. Please check the box next to G generate hazardous wasteG and provide an EPA ID#. Complete all parts of the emergency plan section. The question regarding an emergency response team should only be answered if it applies to your facility."

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Coordinates:

Site ID: 413338  
Facility Name: FOOTHILL AUTO SERVICE  
Env Int Type Code: HMBP  
Program ID: 10550452  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 33.666080  
Longitude: -117.660410

Affiliation:

Affiliation Type Desc: Environmental Contact  
Entity Name: Glenn Larsen  
Entity Title: Not reported  
Affiliation Address: 26911 vista terrace  
Affiliation City: lake forest  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 26911 VISTA TERRACE  
Affiliation City: LAKE FOREST  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92630  
Affiliation Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FOOTHILL AUTO SERVICE (Continued)**

**S123517755**

Affiliation Type Desc: Parent Corporation  
Entity Name: Foothill Auto Service  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: glenn larsen  
Entity Title: Owner  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer  
Entity Name: glenn larsen  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: Glenn Larsen  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (949) 770-5956

Affiliation Type Desc: CUPA District  
Entity Name: Orange County Env Health  
Entity Title: Not reported  
Affiliation Address: 1241 East Dyer RoadSuite 120  
Affiliation City: Santa Ana  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92705-5611  
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Legal Owner  
Entity Name: G & C LARSEN INC  
Entity Title: Not reported  
Affiliation Address: 26911 VISTA TERRACE  
Affiliation City: LAKE FOREST  
Affiliation State: CA  
Affiliation Country: United States

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**FOOTHILL AUTO SERVICE (Continued)**

**S123517755**

Affiliation Zip: 92630  
 Affiliation Phone: (949) 770-5956

**G35**  
**SSW**  
**1/8-1/4**  
**0.246 mi.**  
**1298 ft.**

**NAKASE BROTHERS NURSERY**  
**20621 LAKE FOREST DR**  
**LAKE FOREST, CA 92630**  
**Site 5 of 7 in cluster G**

**UST U003778876**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**729 ft.**

UST:  
 Name: NAKASE BROTHERS NURSERY  
 Address: 20621 LAKE FOREST DR  
 City,State,Zip: LAKE FOREST, CA 92630  
 Facility ID: 11465  
 Permitting Agency: ORANGE COUNTY  
 Latitude: 33.669816  
 Longitude: -117.6664

**G36**  
**SSW**  
**1/8-1/4**  
**0.246 mi.**  
**1298 ft.**

**NAKASE BROTHERS WHOLESALE NURSERY**  
**20621 LAKE FOREST DR**  
**LAKE FOREST, CA 92630**  
**Site 6 of 7 in cluster G**

**RCRA NonGen / NLR 1024820218**  
**CAL000332733**

**Relative:**  
**Higher**  
**Actual:**  
**729 ft.**

RCRA NonGen / NLR:  
 Date Form Received by Agency: 2008-05-19 00:00:00.0  
 Handler Name: NAKASE BROTHERS WHOLESALE NURSERY  
 Handler Address: 20621 LAKE FOREST DR  
 Handler City,State,Zip: LAKE FOREST, CA 92630  
 EPA ID: CAL000332733  
 Contact Name: STEVE NAKASE  
 Contact Address: 9441 KREPP DR  
 Contact City,State,Zip: HUNTINGTON BEACH, CA 92646  
 Contact Telephone: 714-962-6604  
 Contact Fax: 714-962-8194  
 Contact Email: SMNAKASE@NAKASEBROS.COM  
 Contact Title: Not reported  
 EPA Region: 09  
 Land Type: Not reported  
 Federal Waste Generator Description: Not a generator, verified  
 Non-Notifier: Not reported  
 Biennial Report Cycle: Not reported  
 Accessibility: Not reported  
 Active Site Indicator: Handler Activities  
 State District Owner: Not reported  
 State District: Not reported  
 Mailing Address: 9441 KREPP DR  
 Mailing City,State,Zip: HUNTINGTON BEACH, CA 92646-2708  
 Owner Name: STEVE NAKASE  
 Owner Type: Other  
 Operator Name: STEVE NAKASE  
 Operator Type: Other  
 Short-Term Generator Activity: No  
 Importer Activity: No  
 Mixed Waste Generator: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**NAKASE BROTHERS WHOLESALE NURSERY (Continued)**

**1024820218**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:30:20.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:

Owner/Operator Name:

Operator

STEVE NAKASE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS WHOLESALE NURSERY (Continued)**

**1024820218**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9441 KREPP DR
Owner/Operator City,State,Zip:	HUNTINGTON BEACH, CA 92646
Owner/Operator Telephone:	714-962-6604
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	STEVE NAKASE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9441 KREPP DR
Owner/Operator City,State,Zip:	HUNTINGTON BEACH, CA 92646-2708
Owner/Operator Telephone:	714-962-6604
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2008-05-19 00:00:00.0
Handler Name:	NAKASE BROTHERS WHOLESALE NURSERY
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	111422
NAICS Description:	FLORICULTURE PRODUCTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found
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Evaluation Action Summary:

Evaluations:	No Evaluations Found
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Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

**G37**  
**SSW**  
**1/8-1/4**  
**0.246 mi.**  
**1298 ft.**

**NAKASE BROTHERS NURSERY, LAKE FOREST**  
**20621 LAKE FOREST DRIVE**  
**LAKE FOREST, CA 92630**

**CERS HAZ WASTE**  
**CERS TANKS**  
**WDS**  
**CIWQS**  
**CERS**

**S106800804**  
**N/A**

**Site 7 of 7 in cluster G**

**Relative:**  
**Higher**  
**Actual:**  
**729 ft.**

**CERS HAZ WASTE:**  
Name: NAKASE BROTHERS NURSERY  
Address: 20621 LAKE FOREST DR  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 382034  
CERS ID: 10535317  
CERS Description: Hazardous Waste Generator

**CERS TANKS:**  
Name: NAKASE BROTHERS NURSERY  
Address: 20621 LAKE FOREST DR  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 382034  
CERS ID: 10535317  
CERS Description: Aboveground Petroleum Storage

**WDS:**  
Name: NURSERY LAKE FOREST  
Address: 20621 LAKE FOREST DR  
City: LAKE FOREST  
Facility ID: Santa Ana River 303229001  
Facility Type: Agricultural - Facility that treats and/or disposes of the wastes associated with confined and concentrated animal feeding, confined animal feeding, confined animal holding, confined and concentrated aquatic animal production facilities, and aquaculture. the treatment and/or disposal of agricultural return water is included in this category.  
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.  
NPDES Number: Not reported  
Subregion: 8  
Facility Telephone: Not reported  
Facility Contact: STEVE NAKASE  
Agency Name: NAKASE BROTHERS WHOLESale NURE  
Agency Address: 9441 KREPP DRIVE  
Agency City,St,Zip: HUNTINGTON BEACH 92646  
Agency Contact: STEVE NAKASE  
Agency Telephone: Not reported  
Agency Type: Private  
SIC Code: 0  
SIC Code 2: Not reported  
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.  
Primary Waste: IRRIGA  
Waste Type2: Not reported  
Waste2: Irrigation Runoff  
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

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. Aesthetic impairment would include nuisance from a waste treatment facility.  
  
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who 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.

**CIWQS:**

Name: NAKASE BROTHERS NURSERY, LAKE FOREST  
Address: 20621 LAKE FOREST DRIVE  
City,State,Zip: LAKE FOREST, CA 92630  
Agency: Nakase Brothers Wholesale Nursery  
Agency Address: 9441 Krepp Drive, Huntington Beach, CA 92646  
Place/Project Type: Nursery/Hydroponics  
SIC/NAICS: Not reported  
Region: 8  
Program: IRRINDIVWDR  
Regulatory Measure Status: Active  
Regulatory Measure Type: WDR  
Order Number: R8-2005-0006  
WDID: 8 303229001  
NPDES Number: Not reported  
Adoption Date: 02/03/2005  
Effective Date: 02/03/2005  
Termination Date: Not reported  
Expiration/Review Date: 02/03/2015  
Design Flow: Not reported  
Major/Minor: Not reported  
Complexity: C  
TTWQ: 2  
Enforcement Actions within 5 years: 0  
Violations within 5 years: 0  
Latitude: 33.66839  
Longitude: -117.66776

Name: NAKASE BROTHERS NURSERY, LAKE FOREST  
Address: 20621 LAKE FOREST DRIVE  
City,State,Zip: LAKE FOREST, CA 92630  
Agency: Toll Brothers Inc.  
Agency Address: 425 West Town & Country Road 200, Orange, CA 92868  
Place/Project Type: Nursery/Hydroponics  
SIC/NAICS: Not reported  
Region: 8  
Program: CERFILLEXC  
Regulatory Measure Status: Active  
Regulatory Measure Type: WDR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

Order Number: R8-2020-0027  
WDID: 302019-16  
NPDES Number: Not reported  
Adoption Date: 05/08/2020  
Effective Date: 05/08/2020  
Termination Date: Not reported  
Expiration/Review Date: 03/18/2022  
Design Flow: Not reported  
Major/Minor: Not reported  
Complexity: Not reported  
TTWQ: Not reported  
Enforcement Actions within 5 years: 0  
Violations within 5 years: 0  
Latitude: 33.66839  
Longitude: -117.66776

Name: NAKASE PROPERTY PROJECT  
Address: 20621 LAKE FOREST DRIVE  
City,State,Zip: LAKE FOREST, CA 92630  
Agency: Toll Brothers Inc.  
Agency Address: 425 West Town & Country Road 200, Orange, CA 92868  
Place/Project Type: Dredge/Fill Site  
SIC/NAICS: Not reported  
Region: 8  
Program: CERFILLEXC  
Regulatory Measure Status: Active  
Regulatory Measure Type: WDR  
Order Number: R8-2020-0027  
WDID: 302019-16  
NPDES Number: Not reported  
Adoption Date: 05/08/2020  
Effective Date: 05/08/2020  
Termination Date: Not reported  
Expiration/Review Date: 03/18/2022  
Design Flow: Not reported  
Major/Minor: Not reported  
Complexity: Not reported  
TTWQ: Not reported  
Enforcement Actions within 5 years: 0  
Violations within 5 years: 0  
Latitude: 33.668582  
Longitude: -117.667828

**CERS:**

Name: NAKASE BROTHERS NURSERY  
Address: 20621 LAKE FOREST DR  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 382034  
CERS ID: 10535317  
CERS Description: Chemical Storage Facilities

**Violations:**

Site ID: 382034  
Site Name: NAKASE BROTHERS NURSERY  
Violation Date: 7/29/2014  
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Returned to compliance on 09/26/2016. Please be advised that in the inspection report dated 8/23/13, this Agency requested electronic submittal of the hazardous materials inventory and business emergency plan within 30 days of that date. To date, the required documents have not been submitted. The following documents must be submitted: - Business Activities form - Owner/Operator Identification form - Hazardous Material Chemical Inventory forms - Facility Site Map - Business Emergency Plan

Violation Division: Orange County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 382034  
Site Name: NAKASE BROTHERS NURSERY  
Violation Date: 12/20/2019  
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2

Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violation Notes: Please be advised that Hazardous Materials Business Plan (HMBP) were reviewed annually in 2019 and electronically certified that they are complete, accurate, and up-to-date. HMBP documents must be electronically certified within 30 days of this inspection. Documents must be electronically submitted by going to California Environmental Reporting System (CERS) at <http://cers.calepa.ca.gov>

Violation Division: Orange County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Evaluation:  
Eval General Type: Other/Unknown  
Eval Date: 03-22-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed annual certification documents submitted to CERS on 2/27/17 and 2/28/17. Facility Information and Hazardous Materials Inventory were not accepted since APSTs were not reported on Business Activities form and Calcium magnesium oxide which is no longer being used at the site according to facility contact during inspection conducted on 12/9/16 by this agency, is reported.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-16-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: NOV UPDATE 4/16/16: File Review. No Submission. AEO CASE.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

Eval General Type: Other/Unknown  
Eval Date: 05-18-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Went to site and delivered NOV letter for not submitting HMBP documents electronically dated 3/25/15, that was returned to this agency. I discussed letter and requirement to submit documents with Juanito San Pedro, pest control manager. He said that he has problems with E-submit and did not try again. I obtained a new password and assisted him in logging in and completing Business Activities page. He will try to complete the submittal but will call me for assistance.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-29-2014  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Please be advised that in the inspection report dated 8/23/13, this Agency requested electronic submittal of the hazardous materials inventory and business emergency plan within 30 days of that date. To date, the required documents have not been submitted.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-31-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Received certified mail receipts. Scanned and updated file. Drafted Compliance schedule checklist for file.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 09-17-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Reviewed 9-14-16 submittal for BEP. Reference PR0089916 F04 9-17-16. BEP was ACCEPTED.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 09-26-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO INSPECTOR COMMENTS EN0001092 The facility has submitted the Hazardous Materials Inventory and facility map. The Business Emergency Plan was submitted and has been ACCEPTED by OC CUPA. Violation U112 = CORRECTED - The facility has submitted the HMD/BEP. Violation U112 for failure to electronically submit the HMD/BEP has been corrected. This facility has complied with the September 30th deadline to submit. Case

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

EN0001092 will be closed. Refer to PR0089916 9-26-16 report for details.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-21-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct routine inspection. Eliazar Najera granted consent to conduct inspection. I walked through the facility and inspected waste storage container. Waste (3), used oil filter (1) and waste antifreeze (1) drums are stored closed and labeled. Manifests were reviewed. Emergency card is posted in mechanic's office.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 12-09-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Eliazar Najera granted consent to conduct inspection. I walked/drove through the facility and inspected hazardous material storage areas. Types and volumes of the reported hazardous material stored on site since last inspection or previous reporting period were verified. Facility does not store and/or use the following material anymore and should be deleted from reporting: - Calcium Magnesium Oxide - Nutralene Fertilizers 40-0-0 Hazardous material inventory form for unleaded gasoline must be updated since only one tank (240 gallons) is in use. G Maximum Daily AmountG and G Largest ContainerG must be changed from G 1000G to G 240.G Also, the G Average Daily AmountG should be updated. According to employee onsite, total capacity for diesel is 1600 gallons. G Maximum Daily AmountG on hazardous material inventory form should be [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 12-09-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Nakase Brothers Nursery 20621 Lake Forest Dr. Lake Forest, CA 92630  
Inspector Comments: On site to conduct new aboveground petroleum storage tank (APST) inspection since facility has between 1,320 and 9,999 gallons of regulated petroleum products stored on site. Eliazar Najera granted consent to conduct inspection. Facility has the following APSTs: - 240 gallons of gasoline - 1600 gallons of diesel - 220 gallons of new oils (including hydraulic and gear oil) - 110 gallons of waste oil APSTs (tanks and drums) are exempt from requirement to prepare a spill prevention control and countermeasure (SPCC) plan since containers are located and operated by a nursery.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

However, facility must begin conducting daily visual inspections of all containers storing petroleum products. Please be advised that G dailyG means every day that contents are added to or withdrawn from containers. Inspections logs must be available on site for review.

Eval Division: Orange County Environmental Health  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 12-19-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Emergency card and business plan are posted on the wall in shop office.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 12-09-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct routine inspection. granted consent to conduct inspection. I walked through the shop and inspected waste storage container. I did not observe any hazardous waste in trash cans. Waste (2), used oil filter (1) and waste antifreeze (1) drums are stored closed and labeled. Manifests were reviewed. Emergency card is posted in mechanic's office.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 12-20-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct routine hazardous waste inspection. Eliazar Najera granted consent to conduct inspection. I walked through shop and inspected waste storage container. I did not observe any hazardous waste in trash cans in shop. Waste oil (2), used oil filter (1) and waste antifreeze (1) drums are stored closed and labeled. Manifests were reviewed. Emergency card is posted in mechanic's office.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 12-20-2019  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. granted consent to conduct inspection. I walked through the facility and inspected hazardous material storage areas throughout property. There has been changes in types and/or volumes of the hazardous material stored on site since last inspection or previous reporting period. Due to reduction in production, the following material are either not used anymore and/or volume stored on

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

site is below disclosure threshold and must be deleted from reporting:  
- Marengo G (Indaziflam) - Oxyfluorfen - Pendimethalin - Residual Oils  
is exempt due to storing 55 gallons of three types of oils (gear oil,  
30w and ATF/wet hydraulic) - Waste Antifreeze (less than 55 gallons  
stored) Facility stores the following hazardous materials at  
disclosure threshold: -  
2,6-dinitro-n,n-dipropyl-4-(trifluoromethyl)benzenamine - N-Phuric  
Acid Fertilizer - Ammonium Nitrate (AN 20) - [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 03-24-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 04-25-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: NOV Certified mail returned from the Post Office. NOV given to  
HCA/Rashidi-Fard to hand deliver. May 1 deadline will still apply  
unless more time requested.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 05-30-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed eSubmit. No Submission to date. Reviewed admin side of  
eSubmit. No Information has been input into esubmit. No Official  
Submission. Email sent to contact smnakase@nakasebros.com: - NOV was  
hand delivered by HCA/Fard on 5-18-2015 \_\_\_\_\_ Good Morning, If you are  
receiving this email, you have started to complete the Hazardous  
Materials Disclosure and Business Emergency Plan (HMD/BEP) on the  
eSubmit Portal for OC CUPA in response to a Notice of Violation (NOV)  
issued to your associated facility in March of 2015 via Certified  
Mail. The letter states that the HMD/BEP needed to be complete by May  
1, 2015, or the violations issued in October of 2014 will be elevated  
to Class I, which will require formal Enforcement by this Agency which  
includes a mandatory financial penalty. In reviewing the facilities  
that received the NOV, your facility still shows as G Not SubmittedG .  
However, in reviewing from the admin side of the portal, it appears  
that all, none or most [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-01-2015

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Spoke with HCA/Fard. Extension given for 30 days after hand delivery of HMBEP. SUBMITTAL EXTENSION GIVEN UNTIL 6-19-15.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-14-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Draft Enforcement Order, Cover Letter and all Exhibits. Develop HMSS Spreadsheet Tab and AEO Folders.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-29-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Emailed OCEH staff Enforcement Update. Letter sent CERTIFIED on 8-25-2016  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-30-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: ADMINISTRATIVE ENFORCEMENT ORDER EN0001092 INSPECTOR COMMENTS - Phone call from Nancy Maier in response to receipt to the AEO issued to the facility on 8-25-2016. Nakase Bros Nursery has received the AEO and the following option has ben selected: - AEO OPTION 1: COMPLIANCE | Facility will electronically submit the HMD/BEP by September 30, 2016. - OCEH/Kovach assisted with CERS this date. Links were provided to CERS and Training Portals. THIS IS AN OFFICIAL AEO RESPONSE NOTIFICATION FROM NAKSE BROTHERS NURSERY.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-31-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Spoke this date and assisted Angie Sherman with CERS submission.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 09-17-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

Eval Notes: INSPECTOR COMMENTS This Agency has reviewed the electronic submission to the California Environmental Reporting System (CERS) of the following: - BUSINESS ACTIVITIES FORM - BUSINESS OWNER/OPERATOR - BUSINESS EMERGENCY PLAN - BUSINESS CONTINGENCY PLAN The following were ACCEPTED this date. Violation U112 remains OUTSTANDING. Please submit the following to CERS: - Chemical Inventory - Facility Map with required components The violation will be corrected upon submittal and acceptance and case EN0001092 will be closed. Submit the chemical inventory and facility map by September 30, 2016. Report emailed to Angie Sherman for Nakase Brothers Nursery. \_\_\_\_\_

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 09-26-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Reviewed HMD/BEP. Updated File. Emailed Angie Sherman in regards to case and submittal. Emailed OC TTC penalty spreadsheet for corrections. Facility has complied. Case will be closed upon confirmation of payment. Update CERS and Close Violations.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-03-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-28-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: INSPECTOR COMMENTS Reviewed 10-24-16 CERS submission for HMD/BEP. Corrections made. Submission has been ACCEPTED for the following: - Business Activities - Business Owner Operator - Hazardous Materials Inventory - Business Emergency Plan - Facility Map Report emailed to Angie Sherman, for Nakase Brothers. \_\_\_\_\_

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-21-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Angie from company headquarters called and I assisted her in correcting all inventory forms and added waste antifreeze.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

Eval General Type: Other/Unknown  
Eval Date: 11-30-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Reviewed and accepted revised documents submitted to CERS on 11/29/16. I added comment regarding changing "No" to "Yes" for facility having APSTs in future submissions.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 12-12-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: File update. Penalty payment verified. Generate Compliance Letter and CERS Enforcement Summary. Close AEO. Notify Staff. AEO CLOSED 12-12-16.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 12-20-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: On site to conduct new aboveground petroleum storage tank (APST) inspection since facility has between 1,320 and 9,999 gallons of regulated petroleum products stored on site. Eliazar Najera granted consent to conduct inspection. Facility has the following APSTs: - 240 gallons of gasoline - 1500 gallons of diesel - 220 gallons of new oils (including gear oil, 30W and ATF/wet hydraulic) - 110 gallons of waste oil APSTs (tanks and drums) are exempt from requirement to prepare a spill prevention control and countermeasure (SPCC) plan since containers are located and operated by a nursery. Visual tank/container area inspections are conducted. Please be advised that daily visual inspections of all containers storing petroleum products are required and G dailyG means every day that contents are added to or withdrawn from containers.  
Eval Division: Orange County Environmental Health  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 07-26-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Update AEP Draft for review  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-02-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Update with corrections. Submit to OCEH Lane for review.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-24-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Unilateral AEO Signed on 8-23-2016. AEO Scanned and uploaded. DRAFT AEO SENT CERTIFIED 8-25-2016.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 11-17-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Angie from company headquarters called. She said that she has been working on correcting inventory forms in CERS but needs some assistance. She will call on 11/21/16 for assistance while logged into CERS.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-31-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Documents submitted to CERS on 10/24/16 were reviewed and not accepted. The following must be addressed: - Ammonium Nitrate: Delete CAS# listed in Chemical Identification & Physical Properties since material is a mixture. - Calcium Carbonate Fertilizer: Delete CAS# listed in Chemical Identification & Physical Properties since material is a mixture. Material does not appear to be flammable. Please verify the Federal Hazard Categories and delete G FireG if not flammable. - Calcium Magnesium Oxide: Delete CAS# listed in Chemical Identification & Physical Properties since material is a mixture. List Fire Code Hazard Classes, Storage Pressure, Storage Temperature and CAS# for Magnesium Carbonate (546-93-0). - Diesel: Fire Code Hazard Classes must be changed from G Combustible Liquid, Class IIIIG to G Combustible Liquid, Class IIB.G Maximum Daily Amount is reported at 2000 gallons. Site map shows 1500 gallons of diesel. Volume must be verified and form updated, if [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 01-03-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: ADDED 7120  
Eval Division: Orange County Environmental Health  
Eval Program: APSA  
Eval Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

Eval General Type:	Other/Unknown
Eval Date:	03-19-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	File purge
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-19-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed and accepted revised documents submitted to CERS on 3/28/17 with comment to delete information listed in Mixture Component section for Dolomite in next submission since this a pure material and has its own CAS#.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-23-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site to conduct new hazardous materials chemical inventory and business emergency plan inspection. Juanito San Pedro granted consent to conduct inspection. I walked through the facility and inspected hazardous materials storage area. The facility has the hazardous materials and hazardous waste that meet the required disclosure quantities. Facility is required and has been notified to electronically submit the following documents within 30 days of this inspection: - Business Activities form - Owner/Operator Identification form - Hazardous Material Chemical Inventory forms - Facility Site Map - Business Emergency Plan Documents must be electronically submitted by going to <a href="http://www.esubmit.ocgov.com">www.esubmit.ocgov.com</a> and requesting a username and password. User guides and tutorials are located on the home page to help you get started. If you are having trouble, please call (714) 433-6000 and request to speak to the portal administrator.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-23-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site to conduct routine hazardous waste inspection. I walked through the shop and perimeter. Waste oil (2), waste antifreeze (1) and used oil filter (1) drums are stored closed and labeled. Manifests were reviewed. Emergency card is posted.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-26-2016

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: INSPECTOR COMMENTS EN0001092 The facility has submitted the Hazardous Materials Inventory and facility map. The Business Emergency Plan was submitted and has been ACCEPTED by OC CUPA. Violation U112 = CORRECTED - The facility has submitted the HMD/BEP. Violation U112 for failure to electronically submit the HMD/BEP has been corrected. This facility has complied with the September 30th deadline to submit. Case EN0001092 will be closed. Please make the following corrections and re-submit within thirty (30) days: CHEMICAL INVENTORY Please remove the following chemicals as they are below reporting threshold (55 gallons, 500 pounds, 200 Cubic Feet): - Fsetyl-AI (5 pounds) - Propiconazole (1 gallon) - Prodiamine (5 pounds) - Fluxioxazin (5 pounds) - Chlorothalonil (1 gallon) - Dithiopyr (1 gallon, 5 pounds) - Marengo (5 pounds) - Ornamental Herbicide II (5 pounds) - Palladium (2 pounds) - Pageant (1 pound) - Oxadiazon (5 pounds) - Rout G (1 pound) - [Truncated]

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 09-29-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Updated File.  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 09-30-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: AEO: Spoke with Glen Pallus in regards to Order. Glen indicated that he is working to get a signature for the Order and will let us know by Monday 10-3-2016. Reviewed file and updated.

Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-14-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Inspector Comments: On site to conduct routine inspection. Jaime Casteneda granted consent to conduct inspection. I walked through the shop and inspected waste storage container. I did not observe any hazardous waste in trash cans. Waste (2), used oil filter (1) and waste antifreeze (1) drums are stored closed and labeled. Manifests were reviewed. Emergency card is posted in mechanic's office.

Eval Division: Orange County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 10-24-2016

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: INSPECTOR COMMENTS Reviewed the CERS Submission 10-20-16. Not Accepted. Please correct the following items: CHEMICAL INVENTORY - Update the chemical locations to a specific area (Warehouse, Back Storage etc..) - Use CAS # 8006-61-9 for Gasoline Make corrections and re-submit to CERS for review. BUSINESS ACTIVITES/OWNER OPERATOR = ACCEPTED FACILITY MAP = ACCEPTED CONTINGENCY PLAN = ACCEPTED Report emailed to Angie Sherman for Nakase Borthers Nursery. \_\_\_\_\_  
Eval Division: Orange County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Enforcement Action:

Site ID: 382034  
Site Name: NAKASE BROTHERS NURSERY  
Site Address: 20621 LAKE FOREST DR  
Site City: LAKE FOREST  
Site Zip: 92630  
Enf Action Date: 03-24-2015  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Haz Mat Disclosure.  
Enf Action Division: Orange County Environmental Health  
Enf Action Program: HMRRP  
Enf Action Source: CERS

Site ID: 382034  
Site Name: NAKASE BROTHERS NURSERY  
Site Address: 20621 LAKE FOREST DR  
Site City: LAKE FOREST  
Site Zip: 92630  
Enf Action Date: 08-25-2016  
Enf Action Type: AEO - Unified Program  
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute  
Enf Action Notes: Fines/Penalties Assessed: \$500.00.  
Enf Action Division: Orange County Environmental Health  
Enf Action Program: HMRRP  
Enf Action Source: CERS

Coordinates:

Site ID: 382034  
Facility Name: NAKASE BROTHERS NURSERY  
Env Int Type Code: HMBP  
Program ID: 10535317  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 33.668470  
Longitude: -117.667750

Affiliation:

Affiliation Type Desc: Legal Owner  
Entity Name: Steve Nakase  
Entity Title: Not reported  
Affiliation Address: 9441 Krepp Dr.  
Affiliation City: Huntington Beach

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 92646  
Affiliation Phone: (714) 962-6604

Affiliation Type Desc: CUPA District  
Entity Name: Orange County Env Health  
Entity Title: Not reported  
Affiliation Address: 1241 East Dyer RoadSuite 120  
Affiliation City: Santa Ana  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92705-5611  
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Document Preparer  
Entity Name: Leo Camadini  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 9441 Krepp Dr.  
Affiliation City: Huntington Beach  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92646  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: Steve Nakase  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (714) 962-6604

Affiliation Type Desc: Parent Corporation  
Entity Name: NAKASE BROTHERS NURSERY  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: Steve Nakase

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAKASE BROTHERS NURSERY, LAKE FOREST (Continued)**

**S106800804**

Entity Title: Not reported  
Affiliation Address: 9441 Krepp Dr.  
Affiliation City: Huntington Beach  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 92646  
Affiliation Phone: (714) 962-6604

Affiliation Type Desc: Environmental Contact  
Entity Name: Steve Nakase  
Entity Title: Not reported  
Affiliation Address: 9441 Krepp Dr.  
Affiliation City: Huntington Beach  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 92646  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Steve Nakase  
Entity Title: General Partner  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

**38**  
**SSW**  
**1/4-1/2**  
**0.338 mi.**  
**1787 ft.**

**CHEVRON**  
**20731 LAKE FOREST**  
**LAKE FOREST, CA 92630**

**LUST** **U003659611**  
**SWEEPS UST** **N/A**  
**Cortese**  
**HIST CORTESE**  
**CERS**

**Relative:**  
**Lower**  
**Actual:**  
**705 ft.**

**ORANGE CO. LUST:**  
Name: CHEVRON  
Address: 20731 LAKE FOREST DR  
City,State,Zip: LAKE FOREST, CA 92630  
Region: ORANGE  
Facility Id: 97UT037  
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded  
Date Closed: 04/20/1998  
Record ID: RO0001932

**LUST REG 8:**  
Name: CHEVRON  
Address: 20731 LAKE FOREST  
City: LAKE FOREST  
Region: 8  
County: Orange  
Regional Board: Santa Ana Region  
Facility Status: Case Closed  
Case Number: 083003083T  
Local Case Num: 97UT037  
Case Type: Soil only  
Substance: Gasoline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON (Continued)**

**U003659611**

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:	T0605902102
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:	9/12/1997
Enforcement Date:	Not reported
Close Date:	4/20/1998
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:	33.6458268
Longitude:	-117.6890547
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:	TME
Staff Initials:	JS
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

**LUST:**

Name:	CHEVRON
Address:	20731 LAKE FOREST
City,State,Zip:	LAKE FOREST, CA 92630
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	<a href="http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902102">http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902102</a>
Global Id:	T0605902102

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON (Continued)**

**U003659611**

Latitude: 33.6458268  
Longitude: -117.6890547  
Status: Completed - Case Closed  
Status Date: 04/20/1998  
Case Worker: KL  
RB Case Number: 083003083T  
Local Agency: ORANGE COUNTY LOP  
File Location: Local Agency  
Local Case Number: 97UT037  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

LUST:

Global Id: T0605902102  
Contact Type: Local Agency Caseworker  
Contact Name: GENIECE HIGGINS  
Organization Name: ORANGE COUNTY LOP  
Address: 1241 EAST DYER ROAD SUITE 120  
City: SANTA ANA  
Email: ghiggins@ochca.com  
Phone Number: 7144336260

Global Id: T0605902102  
Contact Type: Local Agency Caseworker  
Contact Name: KEVIN LAMBERT  
Organization Name: ORANGE COUNTY LOP  
Address: 1241 E DYER ROAD SUITE 120  
City: SANTA ANA  
Email: klambert@ochca.com  
Phone Number: 7144336261

Global Id: T0605902102  
Contact Type: Regional Board Caseworker  
Contact Name: MIGUEL OVIEDO  
Organization Name: SANTA ANA RWQCB (REGION 8)  
Address: 3737 Main Street, Suite 500  
City: RIVERSIDE  
Email: miguel.oviedo@waterboards.ca.gov  
Phone Number: 9517823238

LUST:

Global Id: T0605902102  
Action Type: ENFORCEMENT  
Date: 03/02/1998  
Action: LOP Case Closure Summary to RB

Global Id: T0605902102  
Action Type: Other  
Date: 09/12/1997  
Action: Leak Reported

Global Id: T0605902102  
Action Type: Other  
Date: 09/12/1997  
Action: Leak Discovery



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON (Continued)**

**U003659611**

LUST:

Global Id: T0605902102  
Status: Open - Case Begin Date  
Status Date: 09/12/1997

Global Id: T0605902102  
Status: Completed - Case Closed  
Status Date: 04/20/1998

SWEEPS UST:

Name: CHEVRON  
Address: 20731 LAKE FOREST DR  
City: LAKE FOREST  
Status: Active  
Comp Number: 11761  
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: 30-000-011761-000001  
Tank Status: A  
Capacity: 12000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 3

Name: CHEVRON  
Address: 20731 LAKE FOREST DR  
City: LAKE FOREST  
Status: Active  
Comp Number: 11761  
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: 30-000-011761-000002  
Tank Status: A  
Capacity: 12000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Name: CHEVRON  
Address: 20731 LAKE FOREST DR  
City: LAKE FOREST  
Status: Active  
Comp Number: 11761

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON (Continued)**

**U003659611**

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: 30-000-011761-000003  
Tank Status: A  
Capacity: 12000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: Not reported

**CORTESE:**

Name: CHEVRON  
Address: 20731 LAKE FOREST  
City,State,Zip: LAKE FOREST, CA 92630  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0605902102  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Active Open

**HIST CORTESE:**

edr\_fname: CHEVRON  
edr\_fadd1: 20731  
City,State,Zip: LAKE FOREST, CA 92630  
Region: CORTESE  
Facility County Code: 30  
Reg By: LTNKA  
Reg Id: 083003083T

**CERS:**

Name: CHEVRON  
Address: 20731 LAKE FOREST  
City,State,Zip: LAKE FOREST, CA 92630  
Site ID: 242907  
CERS ID: T0605902102

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON (Continued)**

**U003659611**

CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker  
Entity Name: MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8)  
Entity Title: Not reported  
Affiliation Address: 3737 Main Street, Suite 500  
Affiliation City: RIVERSIDE  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 9517823238

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: JAMES STROZIER - ORANGE COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 1241 E. DYER ROAD SUITE 120  
Affiliation City: SANTA ANA  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 7144336273

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: KEVIN LAMBERT - ORANGE COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 1241 E DYER ROAD SUITE 120  
Affiliation City: SANTA ANA  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 7144336261

Count: 0 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
NO SITES FOUND					

# 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: 10/28/2020	Source: EPA
Date Data Arrived at EDR: 11/05/2020	Telephone: N/A
Date Made Active in Reports: 11/25/2020	Last EDR Contact: 12/02/2020
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/11/2021
	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: 10/28/2020	Source: EPA
Date Data Arrived at EDR: 11/05/2020	Telephone: N/A
Date Made Active in Reports: 11/25/2020	Last EDR Contact: 12/02/2020
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/11/2021
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## ***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: 10/28/2020  
Date Data Arrived at EDR: 11/05/2020  
Date Made Active in Reports: 11/25/2020  
Number of Days to Update: 20

Source: EPA  
Telephone: N/A  
Last EDR Contact: 12/02/2020  
Next Scheduled EDR Contact: 01/11/2021  
Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

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: 04/03/2019  
Date Data Arrived at EDR: 04/05/2019  
Date Made Active in Reports: 05/14/2019  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 10/02/2020  
Next Scheduled EDR Contact: 01/11/2021  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/28/2020  
Date Data Arrived at EDR: 11/05/2020  
Date Made Active in Reports: 11/25/2020  
Number of Days to Update: 20

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 12/02/2020  
Next Scheduled EDR Contact: 01/25/2021  
Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 10/28/2020	Source: EPA
Date Data Arrived at EDR: 11/05/2020	Telephone: 800-424-9346
Date Made Active in Reports: 11/25/2020	Last EDR Contact: 12/02/2020
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/25/2021
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/15/2020	Source: EPA
Date Data Arrived at EDR: 06/22/2020	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 87	Next Scheduled EDR Contact: 01/04/2021
	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: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/04/2021
	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: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

### RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

### ***Federal institutional controls / engineering controls registries***

#### 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: 08/06/2020	Source: Department of the Navy
Date Data Arrived at EDR: 08/21/2020	Telephone: 843-820-7326
Date Made Active in Reports: 11/11/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 02/22/2021
	Data Release Frequency: Varies

#### 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: 10/28/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2020	Telephone: 703-603-0695
Date Made Active in Reports: 11/18/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 03/08/2021
	Data Release Frequency: Varies

#### US INST CONTROLS: Institutional Controls Sites List

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: 10/28/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2020	Telephone: 703-603-0695
Date Made Active in Reports: 11/18/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 03/08/2021
	Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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: 06/15/2020

Date Data Arrived at EDR: 06/22/2020

Date Made Active in Reports: 09/17/2020

Number of Days to Update: 87

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 09/22/2020

Next Scheduled EDR Contact: 01/04/2021

Data Release Frequency: Quarterly

## **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: 07/27/2020

Date Data Arrived at EDR: 07/27/2020

Date Made Active in Reports: 10/08/2020

Number of Days to Update: 73

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 10/26/2020

Next Scheduled EDR Contact: 02/08/2021

Data Release Frequency: Quarterly

## **State- and tribal - equivalent CERCLIS**

ENVIROSTOR: EnviroStor Database

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.

Date of Government Version: 07/27/2020

Date Data Arrived at EDR: 07/27/2020

Date Made Active in Reports: 10/08/2020

Number of Days to Update: 73

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 10/26/2020

Next Scheduled EDR Contact: 02/08/2021

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 inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/11/2020

Date Data Arrived at EDR: 05/12/2020

Date Made Active in Reports: 07/27/2020

Number of Days to Update: 76

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 11/10/2020

Next Scheduled EDR Contact: 02/22/2021

Data Release Frequency: Quarterly

## **State and tribal leaking storage tank lists**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	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	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	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	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	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	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: No Update Planned

## LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: see region list
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	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	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

## 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	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	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	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

## 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	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/14/2020	Source: EPA Region 10
Date Data Arrived at EDR: 05/20/2020	Telephone: 206-553-2857
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/29/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 84

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 10/23/2020  
Next Scheduled EDR Contact: 02/01/2021  
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: 04/14/2020  
Date Data Arrived at EDR: 05/26/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 78

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 10/23/2020  
Next Scheduled EDR Contact: 02/01/2021  
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: 04/14/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 84

Source: EPA, Region 5  
Telephone: 312-886-7439  
Last EDR Contact: 10/23/2020  
Next Scheduled EDR Contact: 02/01/2021  
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: 04/08/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 84

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 10/23/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Varies

**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: 04/14/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 84

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 10/23/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Varies

**INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land**  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/15/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 84

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 10/23/2020  
Next Scheduled EDR Contact: 02/01/2021  
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: 04/08/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 84

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 10/23/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 866-480-1028
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	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	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	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	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: No Update Planned

## 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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 07/18/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

## 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.

Date of Government Version: 11/17/2004	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 07/01/2011
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

## 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	Source: Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 04/05/2005	Telephone: 916-464-3291
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 16	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: No Update Planned

## 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: No Update Planned

## 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.

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: No Update Planned

## ***State and tribal registered storage tank lists***

### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 07/21/2020  
Date Data Arrived at EDR: 09/03/2020  
Date Made Active in Reports: 11/25/2020  
Number of Days to Update: 83

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 10/01/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MILITARY UST SITES: Military UST Sites (GEOTRACKER)

### Military ust sites

Date of Government Version: 09/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 866-480-1028
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Varies

## UST: Active UST Facilities

### Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/08/2020	Source: SWRCB
Date Data Arrived at EDR: 09/08/2020	Telephone: 916-341-5851
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Semi-Annually

## UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 09/03/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 916-327-7844
Date Made Active in Reports: 12/03/2020	Last EDR Contact: 12/08/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Varies

## AST: Aboveground Petroleum Storage Tank Facilities

### A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 12/09/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 03/29/2021
	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: 04/14/2020	Source: EPA Region 8
Date Data Arrived at EDR: 05/20/2020	Telephone: 303-312-6137
Date Made Active in Reports: 08/13/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

## 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: 04/29/2020	Source: EPA, Region 1
Date Data Arrived at EDR: 05/20/2020	Telephone: 617-918-1313
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-7591
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

### 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: 04/03/2020	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2020	Telephone: 913-551-7003
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

### 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: 04/08/2020	Source: EPA Region 9
Date Data Arrived at EDR: 05/20/2020	Telephone: 415-972-3368
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	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: 04/14/2020	Source: EPA Region 4
Date Data Arrived at EDR: 05/26/2020	Telephone: 404-562-9424
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

### 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: 04/14/2020	Source: EPA Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-6136
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

### 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: 04/14/2020	Source: EPA Region 10
Date Data Arrived at EDR: 05/20/2020	Telephone: 206-553-2857
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***State and tribal voluntary cleanup sites***

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

### 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: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 09/16/2020
Number of Days to Update: 142	Next Scheduled EDR Contact: 01/04/2021
	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: 07/27/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/27/2020	Telephone: 916-323-3400
Date Made Active in Reports: 10/08/2020	Last EDR Contact: 10/26/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 02/08/2021
	Data Release Frequency: Quarterly

## ***State and tribal Brownfields sites***

### BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/22/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/22/2020	Telephone: 916-323-7905
Date Made Active in Reports: 09/04/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 01/04/2021
	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: 06/01/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/02/2020	Telephone: 202-566-2777
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 09/15/2020
Number of Days to Update: 7	Next Scheduled EDR Contact: 12/28/2020
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Local Lists of Landfill / Solid Waste Disposal Sites

### 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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 10/20/2020
Number of Days to Update: 30	Next Scheduled EDR Contact: 02/08/2021
	Data Release Frequency: No Update Planned

### SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/08/2020	Source: Department of Conservation
Date Data Arrived at EDR: 09/08/2020	Telephone: 916-323-3836
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/08/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

### HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/28/2020	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 05/29/2020	Telephone: 916-341-6422
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 75	Next Scheduled EDR Contact: 02/22/2021
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 10/20/2020
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/08/2021
	Data Release Frequency: Varies

### 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	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	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 10/13/2020
Number of Days to Update: 137	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014	Source: Department of Health & Human Services, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 10/30/2020
Number of Days to Update: 176	Next Scheduled EDR Contact: 02/08/2021
	Data Release Frequency: Varies

## Local Lists of Hazardous waste / Contaminated Sites

### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-307-1000
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 11/16/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 03/08/2021
	Data Release Frequency: No Update Planned

### 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	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	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: 07/27/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/27/2020	Telephone: 916-323-3400
Date Made Active in Reports: 10/08/2020	Last EDR Contact: 10/26/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 02/08/2021
	Data Release Frequency: Quarterly

### 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: 06/30/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/28/2020	Telephone: 916-255-6504
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 11/11/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: Varies

### CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/20/2020  
Date Data Arrived at EDR: 07/21/2020  
Date Made Active in Reports: 10/07/2020  
Number of Days to Update: 78

Source: CalEPA  
Telephone: 916-323-2514  
Last EDR Contact: 10/19/2020  
Next Scheduled EDR Contact: 02/01/2021  
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

## 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: 03/18/2020  
Date Data Arrived at EDR: 03/19/2020  
Date Made Active in Reports: 06/09/2020  
Number of Days to Update: 82

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 11/16/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: Quarterly

## PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 12/01/2020  
Number of Days to Update: 84

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/08/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## **Local Lists of Registered Storage Tanks**

### 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

### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 05/20/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/06/2020  
Number of Days to Update: 78

Source: Department of Public Health  
Telephone: 707-463-4466  
Last EDR Contact: 11/16/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 08/03/2020	Source: San Francisco County Department of Public Health
Date Data Arrived at EDR: 08/05/2020	Telephone: 415-252-3896
Date Made Active in Reports: 10/22/2020	Last EDR Contact: 10/28/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/15/2021
	Data Release Frequency: Varies

## CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 07/20/2020	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/21/2020	Telephone: 916-323-2514
Date Made Active in Reports: 10/07/2020	Last EDR Contact: 10/19/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Quarterly

## 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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **Local Land Records**

### LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/26/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/28/2020	Telephone: 916-323-3400
Date Made Active in Reports: 11/17/2020	Last EDR Contact: 11/23/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/15/2021
	Data Release Frequency: Varies

### 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.

Date of Government Version: 10/28/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2020	Telephone: 202-564-6023
Date Made Active in Reports: 11/25/2020	Last EDR Contact: 12/02/2020
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 08/31/2020	Source: DTSC and SWRCB
Date Data Arrived at EDR: 08/31/2020	Telephone: 916-323-3400
Date Made Active in Reports: 11/20/2020	Last EDR Contact: 12/01/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/15/2021
	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: 06/22/2020	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/23/2020	Telephone: 202-366-4555
Date Made Active in Reports: 09/17/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

### 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: 06/30/2020	Source: Office of Emergency Services
Date Data Arrived at EDR: 07/21/2020	Telephone: 916-845-8400
Date Made Active in Reports: 10/07/2020	Last EDR Contact: 10/19/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Semi-Annually

### LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020	Source: State Water Quality Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 866-480-1028
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

### MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 866-480-1028
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	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: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

### 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.

Date of Government Version: 08/05/2020	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/13/2020	Telephone: 202-528-4285
Date Made Active in Reports: 10/21/2020	Last EDR Contact: 11/17/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 03/01/2021
	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/13/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/25/2021
	Data Release Frequency: Semi-Annually

### 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: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 10/08/2020
Number of Days to Update: 574	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: N/A

### 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017  
Date Data Arrived at EDR: 02/03/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 63

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 11/09/2020  
Next Scheduled EDR Contact: 02/22/2021  
Data Release Frequency: Varies

## 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: 06/15/2020  
Date Data Arrived at EDR: 06/22/2020  
Date Made Active in Reports: 09/10/2020  
Number of Days to Update: 80

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 09/22/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Quarterly

## 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: 11/02/2020  
Next Scheduled EDR Contact: 02/15/2021  
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: 09/30/2017  
Date Data Arrived at EDR: 05/08/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 73

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 11/06/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

## 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.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 06/17/2020  
Date Made Active in Reports: 09/10/2020  
Number of Days to Update: 85

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 09/18/2020  
Next Scheduled EDR Contact: 12/28/2020  
Data Release Frequency: Every 4 Years

## 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.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 08/14/2020  
Date Made Active in Reports: 11/04/2020  
Number of Days to Update: 82

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 11/17/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Annually

## 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.

Date of Government Version: 07/20/2020  
Date Data Arrived at EDR: 07/21/2020  
Date Made Active in Reports: 10/08/2020  
Number of Days to Update: 79

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 10/19/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Annually

## 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: 10/28/2020  
Date Data Arrived at EDR: 11/05/2020  
Date Made Active in Reports: 11/25/2020  
Number of Days to Update: 20

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 12/02/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Annually

## 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: 07/24/2020  
Date Data Arrived at EDR: 08/03/2020  
Date Made Active in Reports: 10/21/2020  
Number of Days to Update: 79

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 10/14/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Varies

## 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 12/02/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/15/2021
	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: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 10/02/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 01/18/2021
	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: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 10/01/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: Quarterly

## 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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

## 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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

## 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: 08/05/2020	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/10/2020	Telephone: 301-415-7169
Date Made Active in Reports: 10/08/2020	Last EDR Contact: 10/12/2020
Number of Days to Update: 59	Next Scheduled EDR Contact: 01/31/2021
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 12/01/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 03/15/2021
	Data Release Frequency: Varies

## 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: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 11/30/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 03/15/2021
	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: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 11/06/2021
Number of Days to Update: 96	Next Scheduled EDR Contact: 02/15/2021
	Data Release Frequency: Varies

## 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: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 09/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/11/2021
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 01/28/2020  
Date Made Active in Reports: 04/17/2020  
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 10/27/2020  
Next Scheduled EDR Contact: 02/08/2021  
Data Release Frequency: Quarterly

## 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: 06/30/2020  
Date Data Arrived at EDR: 07/15/2020  
Date Made Active in Reports: 07/21/2020  
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 10/01/2020  
Next Scheduled EDR Contact: 01/18/2021  
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: 12/31/2017  
Date Data Arrived at EDR: 06/22/2020  
Date Made Active in Reports: 11/20/2020  
Number of Days to Update: 151

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 09/22/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Biennially

## 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: 12/31/2014  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 546

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 10/06/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017  
Date Data Arrived at EDR: 09/11/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 3

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 11/06/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019  
Date Data Arrived at EDR: 11/15/2019  
Date Made Active in Reports: 01/28/2020  
Number of Days to Update: 74

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 11/20/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/28/2020  
Date Data Arrived at EDR: 11/05/2020  
Date Made Active in Reports: 11/25/2020  
Number of Days to Update: 20

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 12/02/2020  
Next Scheduled EDR Contact: 01/11/2021  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 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

## 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: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 09/10/2020  
Date Data Arrived at EDR: 09/15/2020  
Date Made Active in Reports: 11/20/2020  
Number of Days to Update: 66

Source: DOL, Mine Safety & Health Administration  
Telephone: 202-693-9424  
Last EDR Contact: 11/24/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Quarterly

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/04/2020  
Date Data Arrived at EDR: 08/25/2020  
Date Made Active in Reports: 11/18/2020  
Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 11/23/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020  
Date Data Arrived at EDR: 05/27/2020  
Date Made Active in Reports: 08/13/2020  
Number of Days to Update: 78

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 11/25/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 11/25/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/22/2020  
Date Data Arrived at EDR: 06/22/2020  
Date Made Active in Reports: 09/10/2020  
Number of Days to Update: 80

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 12/01/2020  
Next Scheduled EDR Contact: 03/22/2021  
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: 09/04/2020  
Date Data Arrived at EDR: 09/15/2020  
Date Made Active in Reports: 11/20/2020  
Number of Days to Update: 66

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 12/01/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Quarterly

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/27/2020  
Date Data Arrived at EDR: 07/02/2020  
Date Made Active in Reports: 09/28/2020  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 202-564-2280  
Last EDR Contact: 10/06/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 11/17/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 03/08/2021
	Data Release Frequency: Varies

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018	Source: Department of Defense
Date Data Arrived at EDR: 07/02/2020	Telephone: 703-704-1564
Date Made Active in Reports: 09/17/2020	Last EDR Contact: 10/08/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 01/25/2021
	Data Release Frequency: Varies

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/17/2020	Source: EPA
Date Data Arrived at EDR: 08/17/2020	Telephone: 800-385-6164
Date Made Active in Reports: 10/21/2020	Last EDR Contact: 11/13/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: Quarterly

## 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	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## 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: 06/22/2020	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 06/22/2020	Telephone: 916-323-3400
Date Made Active in Reports: 09/04/2020	Last EDR Contact: 09/23/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

## CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 05/14/2019	Telephone: 925-454-2361
Date Made Active in Reports: 07/17/2019	Last EDR Contact: 11/13/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 02/22/2021
	Data Release Frequency: Varies

## DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/19/2020  
Date Data Arrived at EDR: 08/21/2020  
Date Made Active in Reports: 09/04/2020  
Number of Days to Update: 14

Source: South Coast Air Quality Management District  
Telephone: 909-396-3211  
Last EDR Contact: 11/16/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: Varies

## DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/25/2020  
Date Data Arrived at EDR: 08/26/2020  
Date Made Active in Reports: 11/13/2020  
Number of Days to Update: 79

Source: Antelope Valley Air Quality Management District  
Telephone: 661-723-8070  
Last EDR Contact: 11/23/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Varies

## 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: 08/06/2020  
Date Data Arrived at EDR: 08/28/2020  
Date Made Active in Reports: 11/17/2020  
Number of Days to Update: 81

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 11/23/2020  
Next Scheduled EDR Contact: 03/15/2021  
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: 12/31/2018  
Date Data Arrived at EDR: 06/16/2020  
Date Made Active in Reports: 08/28/2020  
Number of Days to Update: 73

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 09/18/2020  
Next Scheduled EDR Contact: 12/28/2020  
Data Release Frequency: Varies

## 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: 07/20/2020  
Date Data Arrived at EDR: 07/21/2020  
Date Made Active in Reports: 10/07/2020  
Number of Days to Update: 78

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 10/19/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/13/2020  
Date Data Arrived at EDR: 07/16/2020  
Date Made Active in Reports: 09/29/2020  
Number of Days to Update: 75

Source: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 10/13/2020  
Next Scheduled EDR Contact: 02/01/2021  
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.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/05/2020  
Date Data Arrived at EDR: 08/05/2020  
Date Made Active in Reports: 10/23/2020  
Number of Days to Update: 79

Source: California Integrated Waste Management Board  
Telephone: 916-341-6066  
Last EDR Contact: 11/04/2020  
Next Scheduled EDR Contact: 02/22/2021  
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: 12/31/2019  
Date Data Arrived at EDR: 04/15/2020  
Date Made Active in Reports: 07/02/2020  
Number of Days to Update: 78

Source: California Environmental Protection Agency  
Telephone: 916-255-1136  
Last EDR Contact: 10/05/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Annually

## ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/17/2020  
Date Data Arrived at EDR: 08/17/2020  
Date Made Active in Reports: 11/05/2020  
Number of Days to Update: 80

Source: Department of Toxic Substances Control  
Telephone: 877-786-9427  
Last EDR Contact: 11/13/2020  
Next Scheduled EDR Contact: 03/01/2021  
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

## HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/17/2020  
Date Data Arrived at EDR: 08/17/2020  
Date Made Active in Reports: 11/05/2020  
Number of Days to Update: 80

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 11/13/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Quarterly

## 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: 07/06/2020  
Date Data Arrived at EDR: 07/07/2020  
Date Made Active in Reports: 09/17/2020  
Number of Days to Update: 72

Source: Department of Toxic Substances Control  
Telephone: 916-440-7145  
Last EDR Contact: 10/06/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/08/2020	Source: Department of Conservation
Date Data Arrived at EDR: 09/08/2020	Telephone: 916-322-1080
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/08/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	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: 08/31/2020	Source: Department of Public Health
Date Data Arrived at EDR: 08/31/2020	Telephone: 916-558-1784
Date Made Active in Reports: 11/20/2020	Last EDR Contact: 12/01/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/15/2021
	Data Release Frequency: Varies

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/10/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/10/2020	Telephone: 916-445-9379
Date Made Active in Reports: 10/29/2020	Last EDR Contact: 11/09/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/22/2021
	Data Release Frequency: Quarterly

## PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/31/2020	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 08/31/2020	Telephone: 916-445-4038
Date Made Active in Reports: 11/20/2020	Last EDR Contact: 12/01/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/15/2021
	Data Release Frequency: Quarterly

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/08/2020	Source: Department of Conservation
Date Data Arrived at EDR: 09/08/2020	Telephone: 916-323-3836
Date Made Active in Reports: 12/01/2020	Last EDR Contact: 12/08/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

## 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: 08/21/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/21/2020	Telephone: 916-445-3846
Date Made Active in Reports: 08/27/2020	Last EDR Contact: 12/07/2020
Number of Days to Update: 6	Next Scheduled EDR Contact: 03/29/2021
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 09/08/2020	Source: Department of Conservation
Date Data Arrived at EDR: 09/08/2020	Telephone: 916-445-2408
Date Made Active in Reports: 12/01/2020	Last EDR Contact: 12/08/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Varies

## UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 09/08/2020	Source: State Water Resource Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 866-480-1028
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Varies

## WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 01/07/2020	Telephone: 559-445-5577
Date Made Active in Reports: 03/09/2020	Last EDR Contact: 10/09/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: Varies

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 11/13/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: No Update Planned

## 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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 09/16/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: No Update Planned

## MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 09/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 866-480-1028
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Varies

## PROJECT: Project Sites (GEOTRACKER)

Projects sites

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 12/01/2020  
Number of Days to Update: 84

Source: State Water Resources Control Board  
Telephone: 916-341-5810  
Last EDR Contact: 12/08/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Quarterly

## CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/31/2020  
Date Data Arrived at EDR: 08/31/2020  
Date Made Active in Reports: 11/20/2020  
Number of Days to Update: 81

Source: State Water Resources Control Board  
Telephone: 866-794-4977  
Last EDR Contact: 12/01/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/20/2020  
Date Data Arrived at EDR: 07/21/2020  
Date Made Active in Reports: 10/07/2020  
Number of Days to Update: 78

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 10/19/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Varies

## NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011  
Date Data Arrived at EDR: 08/05/2011  
Date Made Active in Reports: 09/29/2011  
Number of Days to Update: 55

Source: EPA, Office of Water  
Telephone: 202-564-2496  
Last EDR Contact: 10/02/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Semi-Annually

## PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014  
Date Data Arrived at EDR: 01/06/2015  
Date Made Active in Reports: 05/06/2015  
Number of Days to Update: 120

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 10/02/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Semi-Annually

## PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 02/05/2015  
Date Made Active in Reports: 03/06/2015  
Number of Days to Update: 29

Source: EPA  
Telephone: 202-564-2497  
Last EDR Contact: 10/02/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Varies

## MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/06/2018  
Date Data Arrived at EDR: 10/21/2019  
Date Made Active in Reports: 10/24/2019  
Number of Days to Update: 3

Source: USGS  
Telephone: 703-648-6533  
Last EDR Contact: 11/25/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: Varies

## HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 10/13/2020  
Date Data Arrived at EDR: 10/14/2020  
Date Made Active in Reports: 11/03/2020  
Number of Days to Update: 20

Source: Department of Toxic Substances Control  
Telephone: 916-324-2444  
Last EDR Contact: 10/01/2020  
Next Scheduled EDR Contact: 01/18/2021  
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 Hist Auto: EDR Exclusive Historical Auto 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 Hist Cleaner: EDR Exclusive 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. 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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:

#### CS ALAMEDA: 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: 01/09/2019  
Date Data Arrived at EDR: 01/11/2019  
Date Made Active in Reports: 03/05/2019  
Number of Days to Update: 53

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 10/01/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Semi-Annually

#### UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/30/2020  
Date Data Arrived at EDR: 07/01/2020  
Date Made Active in Reports: 07/17/2020  
Number of Days to Update: 16

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 10/01/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 05/18/2020  
Date Data Arrived at EDR: 05/19/2020  
Date Made Active in Reports: 06/01/2020  
Number of Days to Update: 13

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 10/19/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

## BUTTE COUNTY:

### CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017  
Date Data Arrived at EDR: 04/25/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 106

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 10/01/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

### CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 06/17/2020  
Date Data Arrived at EDR: 06/18/2020  
Date Made Active in Reports: 09/02/2020  
Number of Days to Update: 76

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 10/01/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 04/06/2020  
Date Data Arrived at EDR: 04/23/2020  
Date Made Active in Reports: 07/10/2020  
Number of Days to Update: 78

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Semi-Annually

## CONTRA COSTA COUNTY:

### SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 07/16/2020  
Date Data Arrived at EDR: 07/22/2020  
Date Made Active in Reports: 10/08/2020  
Number of Days to Update: 78

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 10/20/2020  
Next Scheduled EDR Contact: 02/08/2021  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 06/08/2020  
Date Data Arrived at EDR: 08/13/2020  
Date Made Active in Reports: 10/22/2020  
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 10/20/2020  
Next Scheduled EDR Contact: 02/08/2021  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 08/13/2020  
Date Data Arrived at EDR: 08/13/2020  
Date Made Active in Reports: 10/22/2020  
Number of Days to Update: 70

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 10/20/2020  
Next Scheduled EDR Contact: 02/08/2021  
Data Release Frequency: Varies

## FRESNO COUNTY:

### CUPA FRESNO: 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: 06/30/2020  
Date Data Arrived at EDR: 07/01/2020  
Date Made Active in Reports: 09/17/2020  
Number of Days to Update: 78

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 10/02/2020  
Next Scheduled EDR Contact: 01/11/2021  
Data Release Frequency: Semi-Annually

## GLENN COUNTY:

### CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/24/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District  
Telephone: 830-934-6500  
Last EDR Contact: 10/13/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: No Update Planned

## HUMBOLDT COUNTY:

### CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 08/13/2020  
Date Data Arrived at EDR: 08/17/2020  
Date Made Active in Reports: 11/05/2020  
Number of Days to Update: 80

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Semi-Annually

## IMPERIAL COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 07/14/2020  
Date Data Arrived at EDR: 07/16/2020  
Date Made Active in Reports: 09/29/2020  
Number of Days to Update: 75

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 10/13/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Varies

## INYO COUNTY:

### CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018  
Date Data Arrived at EDR: 04/03/2018  
Date Made Active in Reports: 06/14/2018  
Number of Days to Update: 72

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## KERN COUNTY:

### CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/28/2020  
Date Data Arrived at EDR: 07/30/2020  
Date Made Active in Reports: 10/13/2020  
Number of Days to Update: 75

Source: Kern County Public Health  
Telephone: 661-321-3000  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

### UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 07/28/2020  
Date Data Arrived at EDR: 07/30/2020  
Date Made Active in Reports: 10/14/2020  
Number of Days to Update: 76

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Quarterly

## KINGS COUNTY:

### CUPA KINGS: 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: 05/11/2020  
Date Data Arrived at EDR: 05/12/2020  
Date Made Active in Reports: 07/27/2020  
Number of Days to Update: 76

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 12/03/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## LAKE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 08/13/2020  
Date Data Arrived at EDR: 08/13/2020  
Date Made Active in Reports: 10/23/2020  
Number of Days to Update: 71

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 10/07/2020  
Next Scheduled EDR Contact: 01/25/2021  
Data Release Frequency: Varies

## LASSEN COUNTY:

### CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 07/31/2020  
Date Data Arrived at EDR: 08/21/2020  
Date Made Active in Reports: 11/09/2020  
Number of Days to Update: 80

Source: Lassen County Environmental Health  
Telephone: 530-251-8528  
Last EDR Contact: 10/13/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Varies

## LOS ANGELES COUNTY:

### AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

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: N/A  
Telephone: N/A  
Last EDR Contact: 12/09/2020  
Next Scheduled EDR Contact: 03/29/2021  
Data Release Frequency: No Update Planned

### HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/06/2020  
Date Data Arrived at EDR: 07/10/2020  
Date Made Active in Reports: 09/28/2020  
Number of Days to Update: 80

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 10/01/2020  
Next Scheduled EDR Contact: 01/18/2021  
Data Release Frequency: Semi-Annually

### LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/13/2020  
Date Data Arrived at EDR: 07/13/2020  
Date Made Active in Reports: 09/29/2020  
Number of Days to Update: 78

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 10/09/2020  
Next Scheduled EDR Contact: 01/25/2021  
Data Release Frequency: Varies

### LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2019  
Date Data Arrived at EDR: 08/17/2020  
Date Made Active in Reports: 11/05/2020  
Number of Days to Update: 80

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 10/07/2020  
Next Scheduled EDR Contact: 01/25/2021  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 09/25/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Varies

## LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 04/17/2019	Telephone: 626-458-6973
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 10/12/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 01/25/2021
	Data Release Frequency: No Update Planned

## LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 09/25/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Varies

## LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 09/25/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Varies

## SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/25/2020	Source: Community Health Services
Date Data Arrived at EDR: 04/14/2020	Telephone: 323-890-7806
Date Made Active in Reports: 07/01/2020	Last EDR Contact: 10/09/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/25/2021
	Data Release Frequency: Annually

## UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 10/07/2020
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/25/2021
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST LONG BEACH: City of Long Beach Underground Storage Tank  
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 10/13/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank  
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/30/2019	Telephone: 310-618-2973
Date Made Active in Reports: 10/02/2019	Last EDR Contact: 10/05/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: 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: 08/10/2020	Source: Madera County Environmental Health
Date Data Arrived at EDR: 08/12/2020	Telephone: 559-675-7823
Date Made Active in Reports: 10/23/2020	Last EDR Contact: 11/11/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites  
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 09/23/2020
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List  
CUPA facility list.

Date of Government Version: 07/28/2020	Source: Merced County Environmental Health
Date Data Arrived at EDR: 07/30/2020	Telephone: 209-381-1094
Date Made Active in Reports: 07/31/2020	Last EDR Contact: 11/11/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: Varies

MONO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 08/20/2020  
Date Data Arrived at EDR: 08/24/2020  
Date Made Active in Reports: 11/09/2020  
Number of Days to Update: 77

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 11/15/2020  
Next Scheduled EDR Contact: 03/08/3021  
Data Release Frequency: Varies

## MONTEREY COUNTY:

### CUPA MONTEREY: CUPA Facility Listing CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/13/2020  
Date Data Arrived at EDR: 07/15/2020  
Date Made Active in Reports: 07/31/2020  
Number of Days to Update: 16

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 09/23/2020  
Next Scheduled EDR Contact: 01/11/2021  
Data Release Frequency: Varies

## NAPA COUNTY:

### LUST NAPA: Sites With Reported Contamination A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017  
Date Data Arrived at EDR: 01/11/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 50

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 11/16/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: No Update Planned

### UST NAPA: Closed and Operating Underground Storage Tank Sites Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019  
Date Data Arrived at EDR: 09/09/2019  
Date Made Active in Reports: 10/31/2019  
Number of Days to Update: 52

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 11/16/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA NEVADA: CUPA Facility List CUPA facility list.

Date of Government Version: 07/29/2020  
Date Data Arrived at EDR: 07/30/2020  
Date Made Active in Reports: 10/13/2020  
Number of Days to Update: 75

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 10/20/2020  
Next Scheduled EDR Contact: 02/08/2021  
Data Release Frequency: Varies

## ORANGE COUNTY:

### IND\_SITE ORANGE: List of Industrial Site Cleanups Petroleum and non-petroleum spills.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/10/2020  
Date Data Arrived at EDR: 08/03/2020  
Date Made Active in Reports: 10/19/2020  
Number of Days to Update: 77

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 11/02/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups  
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/02/2020  
Date Data Arrived at EDR: 08/05/2020  
Date Made Active in Reports: 10/23/2020  
Number of Days to Update: 79

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 11/02/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities  
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/01/2020  
Date Data Arrived at EDR: 08/03/2020  
Date Made Active in Reports: 10/19/2020  
Number of Days to Update: 77

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 11/03/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/24/2020  
Date Data Arrived at EDR: 11/24/2020  
Date Made Active in Reports: 11/25/2020  
Number of Days to Update: 1

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 11/23/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019  
Date Data Arrived at EDR: 04/23/2019  
Date Made Active in Reports: 06/26/2019  
Number of Days to Update: 64

Source: Plumas County Environmental Health  
Telephone: 530-283-6355  
Last EDR Contact: 10/13/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites  
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/06/2020  
Date Data Arrived at EDR: 10/07/2020  
Date Made Active in Reports: 11/03/2020  
Number of Days to Update: 27

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 12/09/2020  
Next Scheduled EDR Contact: 03/29/2021  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/06/2020  
Date Data Arrived at EDR: 10/07/2020  
Date Made Active in Reports: 11/03/2020  
Number of Days to Update: 27

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 12/09/2020  
Next Scheduled EDR Contact: 03/29/2021  
Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/18/2020  
Date Data Arrived at EDR: 03/31/2020  
Date Made Active in Reports: 06/15/2020  
Number of Days to Update: 76

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 10/02/2020  
Next Scheduled EDR Contact: 01/11/2021  
Data Release Frequency: Quarterly

### ML SACRAMENTO: 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: 02/24/2020  
Date Data Arrived at EDR: 03/31/2020  
Date Made Active in Reports: 06/17/2020  
Number of Days to Update: 78

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 10/02/2020  
Next Scheduled EDR Contact: 01/11/2021  
Data Release Frequency: Quarterly

## SAN BENITO COUNTY:

### CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 08/04/2020  
Date Data Arrived at EDR: 08/05/2020  
Date Made Active in Reports: 10/22/2020  
Number of Days to Update: 78

Source: San Benito County Environmental Health  
Telephone: N/A  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

## SAN BERNARDINO COUNTY:

### PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/04/2020  
Date Data Arrived at EDR: 08/05/2020  
Date Made Active in Reports: 10/26/2020  
Number of Days to Update: 82

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HMMD SAN DIEGO: 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: 08/31/2020  
Date Data Arrived at EDR: 08/31/2020  
Date Made Active in Reports: 11/23/2020  
Number of Days to Update: 84

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 12/01/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Quarterly

## LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018  
Date Data Arrived at EDR: 04/24/2018  
Date Made Active in Reports: 06/19/2018  
Number of Days to Update: 56

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 11/16/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Varies

## SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020  
Date Data Arrived at EDR: 07/16/2020  
Date Made Active in Reports: 09/29/2020  
Number of Days to Update: 75

Source: Department of Environmental Health  
Telephone: 858-505-6874  
Last EDR Contact: 10/13/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Varies

## SAN DIEGO CO SAM: 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: 11/23/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

### CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/03/2020  
Date Data Arrived at EDR: 08/05/2020  
Date Made Active in Reports: 10/22/2020  
Number of Days to Update: 78

Source: San Francisco County Department of Environmental Health  
Telephone: 415-252-3896  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

### LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: No Update Planned

## UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/03/2020  
Date Data Arrived at EDR: 08/05/2020  
Date Made Active in Reports: 10/26/2020  
Number of Days to Update: 82

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

### UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018  
Date Data Arrived at EDR: 06/26/2018  
Date Made Active in Reports: 07/11/2018  
Number of Days to Update: 15

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 12/09/2020  
Next Scheduled EDR Contact: 03/29/2021  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

### CUPA SAN LUIS OBISPO: CUPA Facility List

Cupa Facility List.

Date of Government Version: 07/27/2020  
Date Data Arrived at EDR: 08/12/2020  
Date Made Active in Reports: 10/26/2020  
Number of Days to Update: 75

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## SAN MATEO COUNTY:

### BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020  
Date Data Arrived at EDR: 02/20/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 09/11/2020  
Next Scheduled EDR Contact: 12/21/2020  
Data Release Frequency: Annually

### LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019  
Date Data Arrived at EDR: 03/29/2019  
Date Made Active in Reports: 05/29/2019  
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 12/01/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Semi-Annually

## SANTA BARBARA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA SANTA BARBARA: 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: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: No Update Planned

## SANTA CLARA COUNTY:

### CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 08/20/2020  
Date Data Arrived at EDR: 08/20/2020  
Date Made Active in Reports: 11/09/2020  
Number of Days to Update: 81

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

### HIST LUST SANTA CLARA: 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

### LUST SANTA CLARA: 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: 11/16/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: No Update Planned

### SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 07/30/2020  
Date Data Arrived at EDR: 07/31/2020  
Date Made Active in Reports: 10/16/2020  
Number of Days to Update: 77

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA SANTA CRUZ: CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 05/23/2017  
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## SHASTA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017  
Date Data Arrived at EDR: 06/19/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 51

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## SOLANO COUNTY:

### LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019  
Date Data Arrived at EDR: 06/06/2019  
Date Made Active in Reports: 08/13/2019  
Number of Days to Update: 68

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 06/03/2019  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Quarterly

### UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 08/25/2020  
Date Data Arrived at EDR: 08/26/2020  
Date Made Active in Reports: 09/16/2020  
Number of Days to Update: 21

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 12/03/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 07/07/2020  
Date Data Arrived at EDR: 07/08/2020  
Date Made Active in Reports: 09/25/2020  
Number of Days to Update: 79

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 09/16/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Varies

### LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/01/2020  
Date Data Arrived at EDR: 07/02/2020  
Date Made Active in Reports: 09/17/2020  
Number of Days to Update: 77

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 09/16/2020  
Next Scheduled EDR Contact: 01/04/2021  
Data Release Frequency: Quarterly

## STANISLAUS COUNTY:

### CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 02/04/2020  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 70

Source: Stanislaus County Department of Environmental Protection  
Telephone: 209-525-6751  
Last EDR Contact: 10/02/2020  
Next Scheduled EDR Contact: 01/25/2021  
Data Release Frequency: Varies

## SUTTER COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 08/25/2020  
Date Data Arrived at EDR: 08/26/2020  
Date Made Active in Reports: 11/17/2020  
Number of Days to Update: 83

Source: Sutter County Environmental Health Services  
Telephone: 530-822-7500  
Last EDR Contact: 11/23/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Semi-Annually

## TEHAMA COUNTY:

### CUPA TEHAMA: CUPA Facility List

Cupa facilities

Date of Government Version: 08/11/2020  
Date Data Arrived at EDR: 08/12/2020  
Date Made Active in Reports: 10/26/2020  
Number of Days to Update: 75

Source: Tehama County Department of Environmental Health  
Telephone: 530-527-8020  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

## TRINITY COUNTY:

### CUPA TRINITY: CUPA Facility List

Cupa facility list

Date of Government Version: 07/14/2020  
Date Data Arrived at EDR: 07/16/2020  
Date Made Active in Reports: 09/29/2020  
Number of Days to Update: 75

Source: Department of Toxic Substances Control  
Telephone: 760-352-0381  
Last EDR Contact: 10/13/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Varies

## TULARE COUNTY:

### CUPA TULARE: CUPA Facility List

Cupa program facilities

Date of Government Version: 08/06/2020  
Date Data Arrived at EDR: 08/06/2020  
Date Made Active in Reports: 10/26/2020  
Number of Days to Update: 81

Source: Tulare County Environmental Health Services Division  
Telephone: 559-624-7400  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

## TUOLUMNE COUNTY:

### CUPA TUOLUMNE: CUPA Facility List

Cupa facility list

Date of Government Version: 04/23/2018  
Date Data Arrived at EDR: 04/25/2018  
Date Made Active in Reports: 06/25/2018  
Number of Days to Update: 61

Source: Division of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 10/13/2020  
Next Scheduled EDR Contact: 02/01/2021  
Data Release Frequency: Varies

## VENTURA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## BWT VENTURA: 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: 07/10/2020	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 07/22/2020	Telephone: 805-654-2813
Date Made Active in Reports: 10/08/2020	Last EDR Contact: 10/19/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Quarterly

## LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 09/23/2020
Number of Days to Update: 49	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: No Update Planned

## LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 11/05/2020
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/22/2021
	Data Release Frequency: No Update Planned

## MED WASTE VENTURA: 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: 07/10/2020	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 07/22/2020	Telephone: 805-654-2813
Date Made Active in Reports: 10/07/2020	Last EDR Contact: 10/19/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Quarterly

## UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/26/2020	Source: Environmental Health Division
Date Data Arrived at EDR: 09/08/2020	Telephone: 805-654-2813
Date Made Active in Reports: 12/01/2020	Last EDR Contact: 12/08/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

## YOLO COUNTY:

### UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/23/2020	Source: Yolo County Department of Health
Date Data Arrived at EDR: 06/29/2020	Telephone: 530-666-8646
Date Made Active in Reports: 09/15/2020	Last EDR Contact: 10/07/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: Annually

## YUBA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 08/06/2020  
Date Data Arrived at EDR: 08/07/2020  
Date Made Active in Reports: 10/26/2020  
Number of Days to Update: 80

Source: Yuba County Environmental Health Department  
Telephone: 530-749-7523  
Last EDR Contact: 11/03/2020  
Next Scheduled EDR Contact: 02/08/2021  
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: 08/10/2020  
Date Data Arrived at EDR: 10/20/2020  
Date Made Active in Reports: 11/02/2020  
Number of Days to Update: 13

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 11/09/2020  
Next Scheduled EDR Contact: 02/22/2021  
Data Release Frequency: No Update Planned

## NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 04/10/2019  
Date Made Active in Reports: 05/16/2019  
Number of Days to Update: 36

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 10/09/2020  
Next Scheduled EDR Contact: 01/18/2021  
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: 01/01/2019  
Date Data Arrived at EDR: 04/29/2020  
Date Made Active in Reports: 07/10/2020  
Number of Days to Update: 72

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 10/30/2020  
Next Scheduled EDR Contact: 02/08/2021  
Data Release Frequency: Quarterly

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018  
Date Data Arrived at EDR: 07/19/2019  
Date Made Active in Reports: 09/10/2019  
Number of Days to Update: 53

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 10/07/2020  
Next Scheduled EDR Contact: 01/25/2021  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 10/02/2019  
Date Made Active in Reports: 12/10/2019  
Number of Days to Update: 69

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018  
Date Data Arrived at EDR: 06/19/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 76

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 12/03/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

## Electric Power Transmission Line Data

Source: Endeavor Business Media

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**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 was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

State Wetlands Data: Wetland Inventory  
Source: Department of Fish and Wildlife  
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map  
Source: U.S. Geological Survey

### **STREET AND ADDRESS INFORMATION**

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

LAKE FOREST ZONE B TO C PUMP STATION  
20381 LAKE FOREST DRIVE  
LAKE FOREST, CA 92630

### TARGET PROPERTY COORDINATES

Latitude (North): 33.665732 - 33° 39' 56.64"  
Longitude (West): 117.664982 - 117° 39' 53.94"  
Universal Tranverse Mercator: Zone 11  
UTM X (Meters): 438348.9  
UTM Y (Meters): 3725099.0  
Elevation: 729 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 5636489 EL TORO, CA  
Version Date: 2012

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 principle 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.

# 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).

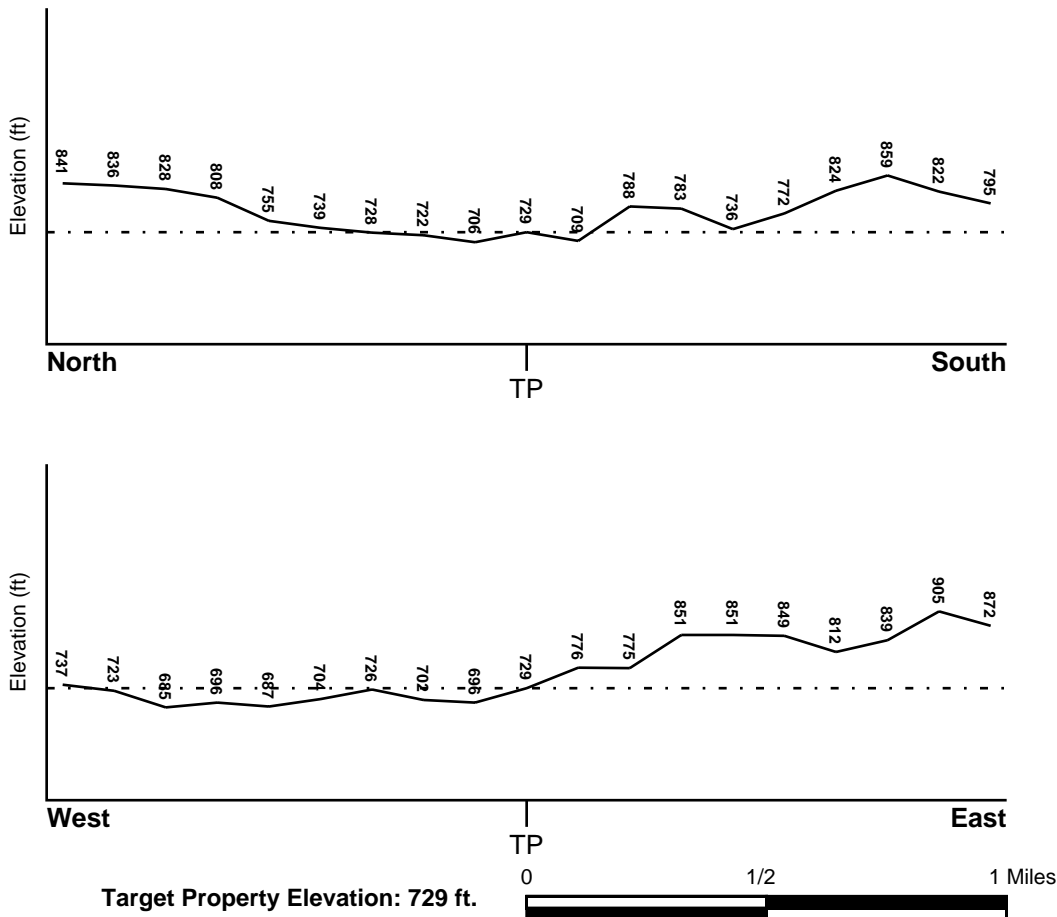
## TOPOGRAPHIC INFORMATION

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 NW

## 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.

# 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**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06059C0316J	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06059C0317J	FEMA FIRM Flood data
06059C0318J	FEMA FIRM Flood data
06059C0319J	FEMA FIRM Flood data

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
EL TORO	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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## 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**

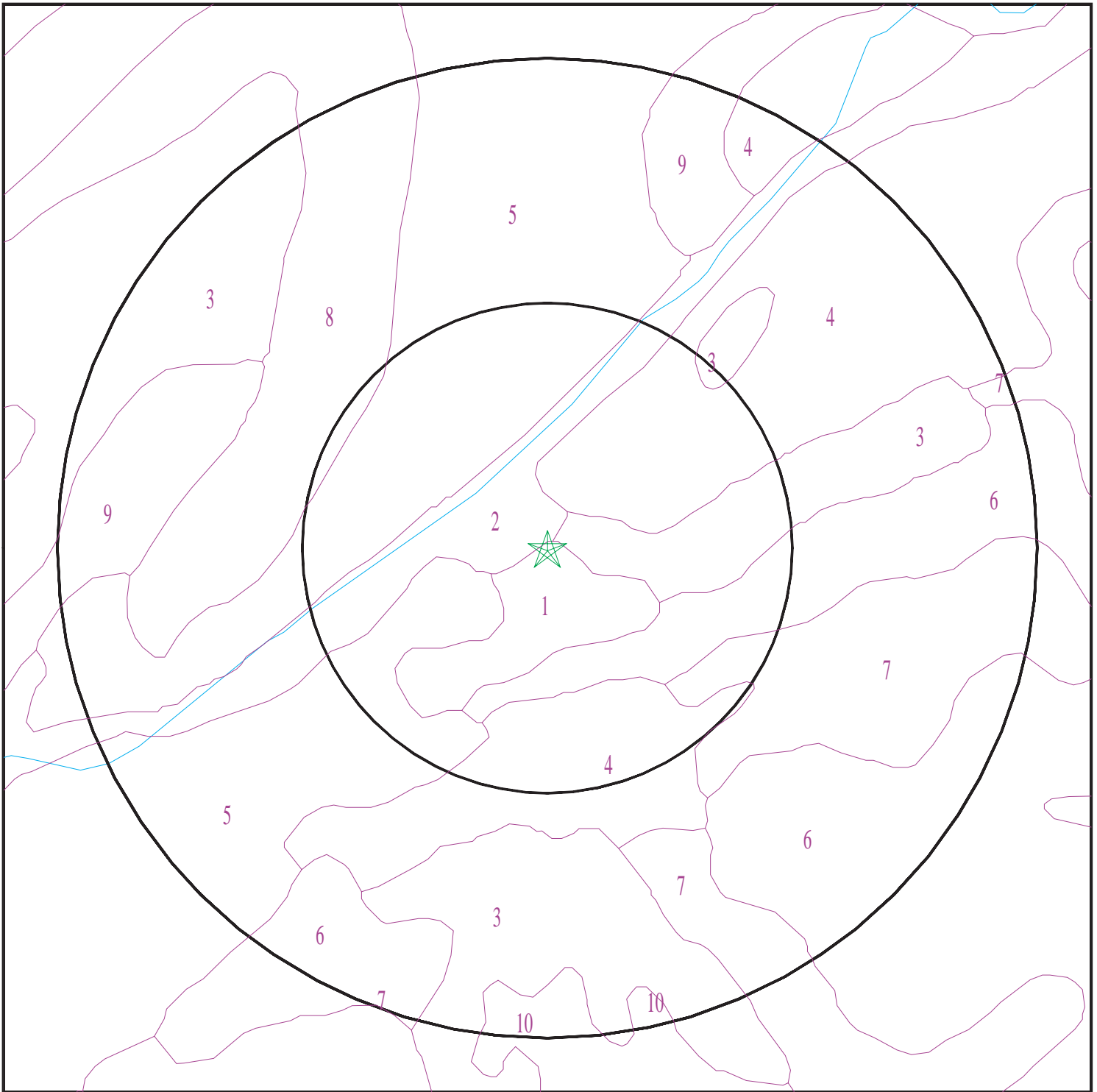
Era:	Cenozoic
System:	Tertiary
Series:	Eocene
Code:	Te <i>(decoded above as Era, System &amp; Series)</i>

#### **GEOLOGIC AGE IDENTIFICATION**

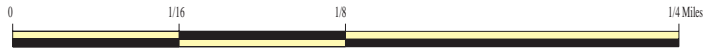
Category: Stratified Sequence

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).

# SSURGO SOIL MAP - 6296277.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Lake Forest Zone B To C Pump Station  
ADDRESS: 20381 Lake Forest Drive  
Lake Forest CA 92630  
LAT/LONG: 33.665732 / 117.664982

CLIENT: LSA Associates  
CONTACT: Abby Annicchiarico  
INQUIRY #: 6296277.2s  
DATE: December 10, 2020 2:53 pm

# 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: YORBA

Soil Surface Texture: cobbly 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: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	cobbly sandy loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 5.1
2	7 inches	35 inches	very gravelly clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 5.1
3	35 inches	62 inches	very gravelly sandy loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 5.1

### Soil Map ID: 2

Soil Component Name: RIVERWASH

Soil Surface Texture: sand

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:

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: Min:
2	5 inches	59 inches	stratified coarse sand to sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: Min:

### Soil Map ID: 3

Soil Component Name: CIENEBA

Soil Surface Texture: sandy 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: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	7 inches	11 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:

**Soil Map ID: 4**

Soil Component Name: CAPISTRANO

Soil Surface Texture: sandy 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: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	27 inches	sandy 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: 42 Min: 14	Max: 7.3 Min: 5.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	27 inches	64 inches	fine sandy 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: 42 Min: 14	Max: 7.3 Min: 5.6

**Soil Map ID: 5**

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

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	11 inches	61 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	61 inches	72 inches	stratified loamy fine sand to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9

### Soil Map ID: 6

Soil Component Name: SAN ANDREAS

Soil Surface Texture: sandy 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: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	31 inches	sandy loam	Not reported	Not reported	Max: Min:	Max: Min:
2	31 inches	35 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

### Soil Map ID: 7

Soil Component Name: CAPISTRANO

Soil Surface Texture: sandy 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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	27 inches	sandy 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: 42 Min: 14	Max: 7.3 Min: 5.6
2	27 inches	64 inches	fine sandy 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: 42 Min: 14	Max: 7.3 Min: 5.6

### Soil Map ID: 8

Soil Component Name: CROPLEY

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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	29 inches	clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	29 inches	59 inches	clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

### Soil Map ID: 9

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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		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: 14 Min: 4	Max: 6.5 Min: 6.1
2	11 inches	18 inches	sandy clay	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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	18 inches	27 inches	sandy clay 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
4	27 inches	70 inches	sandy clay 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
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: 10

Soil Component Name: CIENEBA

Soil Surface Texture: sandy 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: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	sandy loam	Not reported	Not reported	Max: Min:	Max: Min:
2	16 inches	20 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

## 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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## **FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C7	USGS40000136410	1/4 - 1/2 Mile SSE
E15	USGS40000136558	1/2 - 1 Mile NW

## **FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

## **STATE DATABASE WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	7044	1/8 - 1/4 Mile SE
A2	CADDW0000007983	1/8 - 1/4 Mile SE

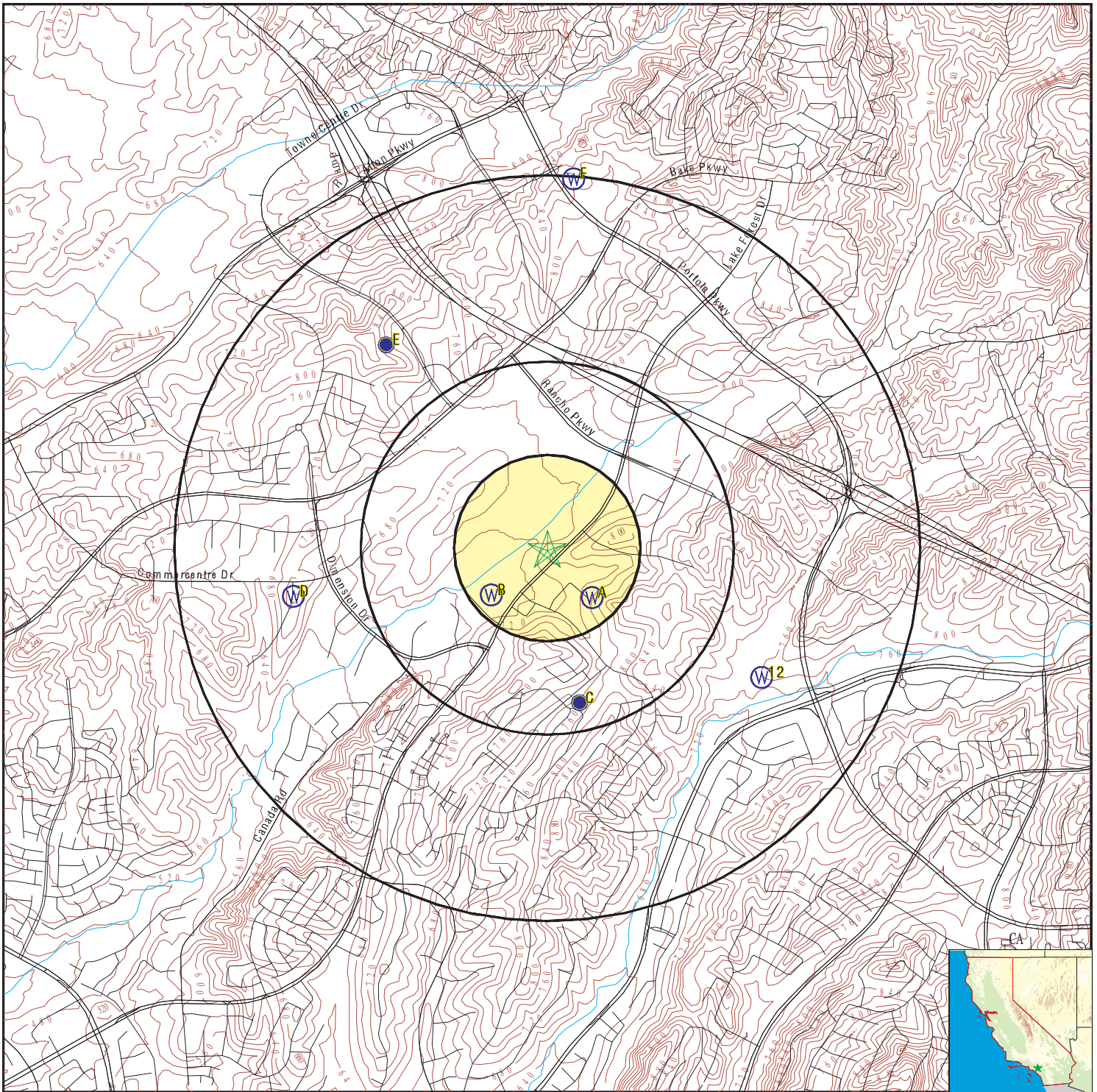
## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
B3	7043	1/8 - 1/4 Mile SW
B4	7045	1/8 - 1/4 Mile SW
C5	7046	1/4 - 1/2 Mile South
C6	CALLNL000000692	1/4 - 1/2 Mile SSE
C8	CADDW0000016904	1/4 - 1/2 Mile SSE
C9	CADDW0000005648	1/4 - 1/2 Mile SSE
C10	CAUSGSN00002933	1/4 - 1/2 Mile SSE
D11	CADDW0000018542	1/2 - 1 Mile WSW
12	CADWR0000023683	1/2 - 1 Mile ESE
E13	CADDW0000012287	1/2 - 1 Mile NW
E14	CAUSGSN00019439	1/2 - 1 Mile NW
E16	CALLNL000001000	1/2 - 1 Mile NW
D17	6936	1/2 - 1 Mile West
F18	CAEDF0000130350	1/2 - 1 Mile North
F19	CAEDF0000005650	1/2 - 1 Mile North

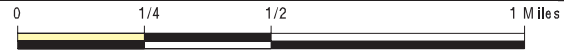


# PHYSICAL SETTING SOURCE MAP - 6296277.2s



- 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
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Lake Forest Zone B To C Pump Station  
 ADDRESS: 20381 Lake Forest Drive  
 Lake Forest CA 92630  
 LAT/LONG: 33.665732 / 117.664982

CLIENT: LSA Associates  
 CONTACT: Abby Annicchiarico  
 INQUIRY #: 6296277.2s  
 DATE: December 10, 2020 2:53 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A1**  
**SE**  
**1/8 - 1/4 Mile**  
**Higher**

**CA WELLS      7044**

Seq:	7044	Prim sta c:	06S/08W-12J01 S
Frds no:	3010091003	County:	30
District:	08	User id:	TEE
System no:	3010091	Water type:	G
Source nam:	WELL 03	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	333950.0	Longitude:	1173943.0
Precision:	1	Status:	AU
Comment 1:	75' NW OF THE PROPERTY AT 26778 SIMPATICA CIRCLE.		
Comment 2:	Not Reported	Comment 3:	Not Reported
Comment 4:	Not Reported	Comment 5:	Not Reported
Comment 6:	Not Reported	Comment 7:	Not Reported
System no:	3010091	System nam:	Los Alisos Wd
Hqname:	Not Reported	Address:	P O BOX 699
City:	EL TORO	State:	Not Reported
Zip:	92630	Zip ext:	Not Reported
Pop serv:	38000	Connection:	11645
Area serve:	EL TORO		

**A2**  
**SE**  
**1/8 - 1/4 Mile**  
**Higher**

**CA WELLS      CADDW0000007983**

Well ID:	3010092-028	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	LAWD WELL 03 - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&amp;samp_date=&amp;global_id=&amp;assigned_name=3010092-028&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&amp;samp_date=&amp;global_id=&amp;assigned_name=3010092-028&amp;store_num=</a>		
GeoTracker Data:	Not Reported		

**B3**  
**SW**  
**1/8 - 1/4 Mile**  
**Lower**

**CA WELLS      7043**

Seq:	7043	Prim sta c:	06S/08W-01N01 S
Frds no:	3010091005	County:	30
District:	08	User id:	TEE
System no:	3010091	Water type:	G
Source nam:	WELL 07	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	333950.0	Longitude:	1174000.0
Precision:	4	Status:	AU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3010091	System nam:	Los Alisos Wd
Hqname:	Not Reported	Address:	P O BOX 699
City:	EL TORO	State:	Not Reported
Zip:	92630	Zip ext:	Not Reported

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pop serv: 38000 Connection: 11645  
 Area serve: EL TORO

**B4  
SW  
1/8 - 1/4 Mile  
Lower**

**CA WELLS 7045**

Seq:	7045	Prim sta c:	06S/08W-12L02 S
Frds no:	3010091004	County:	30
District:	08	User id:	TEE
System no:	3010091	Water type:	G
Source nam:	WELL 04	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	333950.0	Longitude:	1174000.0
Precision:	1	Status:	AU
Comment 1:	~ 1000' NW OF THE INTERSECTION OF LAKE FOREST DR & DIMENSION DR.		
Comment 2:	Not Reported	Comment 3:	Not Reported
Comment 4:	Not Reported	Comment 5:	Not Reported
Comment 6:	Not Reported	Comment 7:	Not Reported

System no:	3010091	System nam:	Los Alisos Wd
Hqname:	Not Reported	Address:	P O BOX 699
City:	EL TORO	State:	Not Reported
Zip:	92630	Zip ext:	Not Reported
Pop serv:	38000	Connection:	11645
Area serve:	EL TORO		

**C5  
South  
1/4 - 1/2 Mile  
Higher**

**CA WELLS 7046**

Seq:	7046	Prim sta c:	06S/08W-12Q01 S
Frds no:	3010091002	County:	30
District:	08	User id:	TEE
System no:	3010091	Water type:	G
Source nam:	WELL 02	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	333936.0	Longitude:	1173946.0
Precision:	1	Status:	AU
Comment 1:	Not Reported		
Comment 2:	150'SE OF CANADA RD. & 1500' SW OF INTERSECTION OF CANADA RD & REGENCY		
Comment 3:	LN.	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3010091	System nam:	Los Alisos Wd
Hqname:	Not Reported	Address:	P O BOX 699
City:	EL TORO	State:	Not Reported
Zip:	92630	Zip ext:	Not Reported
Pop serv:	38000	Connection:	11645
Area serve:	EL TORO		

**C6  
SSE  
1/4 - 1/2 Mile  
Higher**

**CA WELLS CALLNL000000692**

Well ID:	100722	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Other Name:	06S/08W-12Q01 S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		
Chemical:	Helium-3/Helium-4	Results:	.00000114544
Units:	atom ratio	Date:	06/19/2001
Chemical:	Xenon	Results:	.0000000109184
Units:	cm3STP/g	Date:	06/19/2001
Chemical:	Tritium (Hydrogen 3)	Results:	.1
Units:	pCi/L	Date:	08/03/2001
Chemical:	Argon	Results:	.000408334
Units:	cm3STP/g	Date:	06/19/2001
Chemical:	Helium-4	Results:	.0000000807967
Units:	cm3STP/g	Date:	06/19/2001
Chemical:	Neon	Results:	.000000287082
Units:	cm3STP/g	Date:	06/19/2001
Chemical:	Krypton	Results:	.0000000857019
Units:	cm3STP/g	Date:	06/19/2001

**C7**  
**SSE**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS      USGS40000136410**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006S008W12Q001S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1957
Well Depth:	740	Well Depth Units:	ft
Well Hole Depth:	800	Well Hole Depth Units:	ft

**C8**  
**SSE**  
**1/4 - 1/2 Mile**  
**Higher**

**CA WELLS      CADDW0000016904**

Well ID:	3010092-029	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	LAWD WELL 02 - DESTROYED	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&amp;samp_date=&amp;global_id=&amp;assigned_name=3010092-029&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&amp;samp_date=&amp;global_id=&amp;assigned_name=3010092-029&amp;store_num=</a>		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GeoTracker Data: Not Reported

**C9  
SSE  
1/4 - 1/2 Mile  
Higher**

**CA WELLS    CADDW0000005648**

Well ID:	3010092-069	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL LF-2 (LAKE FOREST WELL 2)		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&amp;samp_date=&amp;global_id=&amp;assigned_name=3010092-069&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&amp;samp_date=&amp;global_id=&amp;assigned_name=3010092-069&amp;store_num=</a>		
GeoTracker Data:	Not Reported		

**C10  
SSE  
1/4 - 1/2 Mile  
Higher**

**CA WELLS    CAUSGSN00002933**

Well ID:	USGS-333935117394901	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-333935117394901	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&amp;samp_date=&amp;global_id=&amp;assigned_name=USGS-333935117394901&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&amp;samp_date=&amp;global_id=&amp;assigned_name=USGS-333935117394901&amp;store_num=</a>		
GeoTracker Data:	Not Reported		

**D11  
WSW  
1/2 - 1 Mile  
Lower**

**CA WELLS    CADDW0000018542**

Well ID:	3310012-015	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	SAN JACINTO WELL - ABANDONED		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&amp;samp_date=&amp;global_id=&amp;assigned_name=3310012-015&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&amp;samp_date=&amp;global_id=&amp;assigned_name=3310012-015&amp;store_num=</a>		
GeoTracker Data:	Not Reported		

**12  
ESE  
1/2 - 1 Mile  
Higher**

**CA WELLS    CADWR0000023683**

Well ID:	06S07W07P001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	06S07W07P001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&amp;samp_date=&amp;global_id=&amp;assigned_name=06S07W07P001S&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&amp;samp_date=&amp;global_id=&amp;assigned_name=06S07W07P001S&amp;store_num=</a>		
GeoTracker Data:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E13  
NW  
1/2 - 1 Mile  
Higher**

**CA WELLS      CADDW0000012287**

Well ID:	3010092-026	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	LAWD WELL 07 - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&amp;samp_date=&amp;global_id=&amp;assigned_name=3010092-026&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&amp;samp_date=&amp;global_id=&amp;assigned_name=3010092-026&amp;store_num=</a>		
GeoTracker Data:	Not Reported		

**E14  
NW  
1/2 - 1 Mile  
Higher**

**CA WELLS      CAUSGSN00019439**

Well ID:	USGS-334025117402101	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334025117402101	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&amp;samp_date=&amp;global_id=&amp;assigned_name=USGS-334025117402101&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&amp;samp_date=&amp;global_id=&amp;assigned_name=USGS-334025117402101&amp;store_num=</a>		
GeoTracker Data:	Not Reported		

**E15  
NW  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS40000136558**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006S008W01N001S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	1000	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

**E16  
NW  
1/2 - 1 Mile  
Higher**

**CA WELLS      CALLNL000001000**

Well ID:	100731	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	06S/08W-01N01 S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Argon	Results:	.000429923
Units:	cm3STP/g	Date:	06/19/2001

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical:	Helium-3/Helium-4	Results:	.000000982253
Units:	atom ratio	Date:	06/19/2001
Chemical:	Helium-4	Results:	.000000106085
Units:	cm3STP/g	Date:	06/19/2001
Chemical:	Tritium (Hydrogen 3)	Results:	0
Units:	pCi/L	Date:	08/03/2001
Chemical:	Krypton	Results:	.0000000887578
Units:	cm3STP/g	Date:	06/19/2001
Chemical:	Neon	Results:	.000000323274
Units:	cm3STP/g	Date:	06/19/2001
Chemical:	Xenon	Results:	.0000000113986
Units:	cm3STP/g	Date:	06/19/2001

**D17  
West  
1/2 - 1 Mile  
Lower**

**CA WELLS 6936**

Seq:	6936	Prim sta c:	06S/04W-09L04 S
Frds no:	3310012015	County:	33
District:	14	User id:	WAT
System no:	3310012	Water type:	G
Source nam:	SAN JACINTO WELL - ABANDONED	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	333950.0	Longitude:	1174035.0
Precision:	2	Status:	AB
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3310012	System nam:	Elsinore Valley Mwd
Hqname:	Not Reported	Address:	P.O. BOX 3000
City:	LAKE ELSINORE	State:	CA
Zip:	92531	Zip ext:	Not Reported
Pop serv:	59200	Connection:	21140
Area serve:	LAKE ELSINORE VICINITY		

**F18  
North  
1/2 - 1 Mile  
Higher**

**CA WELLS CAEDF0000130350**

Well ID:	T10000005936-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T10000005936&amp;assigned_name=MW-8&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T10000005936&amp;assigned_name=MW-8&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T10000005936&amp;assigned_name=MW-8">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T10000005936&amp;assigned_name=MW-8</a>		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**F19**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000005650**

Well ID:	T10000005936-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T10000005936&amp;assigned_name=MW-9&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T10000005936&amp;assigned_name=MW-9&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T10000005936&amp;assigned_name=MW-9">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T10000005936&amp;assigned_name=MW-9</a>		



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92630	90	0

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.

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Federal Area Radon Information for Zip Code: 92630

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.400 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

# 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.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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.

### State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> 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 Service (NRCS)

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 Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, 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.

# 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.

## OTHER STATE DATABASE INFORMATION

### Groundwater Ambient Monitoring & Assessment Program

State Water Resources Control Board

Telephone: 916-341-5577

The GAMA Program is California's comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Health Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

### 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.

### California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

### California Earthquake Fault Lines

Source: California Division of Mines and Geology

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.

## RADON

### State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## 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 IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## 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 F**

# **NOISE MONITORING SHEETS**



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# Noise Measurement Survey – 24 HR

Project Number: IRW2001.01

Test Personnel: Corey Knips

Project Name: LF B to C Pump Station

Equipment: Spark 906RC (SN:18906)

Site Number: LT-1 Date: 11/17/2020

Time: From 1:00 p.m. To 1:00 p.m.

Site Location: On project site of proposed pump station, near Lake Forest Drive, on a tree.

Primary Noise Sources: Traffic on Lake Forest Drive

Comments: \_\_\_\_\_

Photo:





Project Number: IRW2001.01

Test Personnel: Corey Knips

Project Name: LF B to C Pump Station

Equipment: Spark 906RC (SN:18908)

Site Number: LT-2 Date: 11/17/2020

Time: From 1:00 p.m. To 1:00 p.m.

Site Location: Near north corner of existing fenced in area on proposed pump station project site, close to parking lot for 20371 Lake Forest Drive, on a tree.

Primary Noise Sources: Traffic on Lake Forest Drive

Comments: \_\_\_\_\_

Photo:

